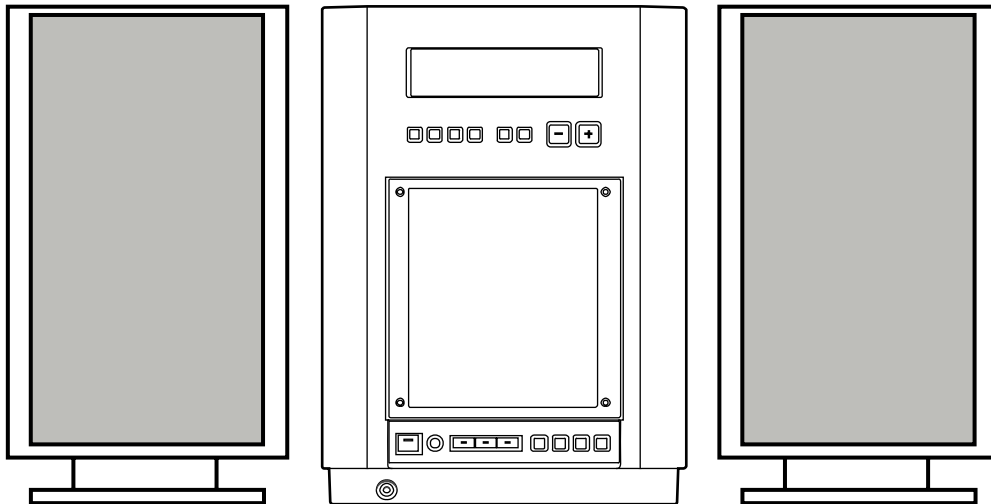


# XR-TC80 U (S),UC (S)



# SERVICE MANUAL

CD STEREO SYSTEM

BASIC CD MECHANISM: BZG-4 A2NC2

SYSTEM	MAIN UNIT	SPEAKER	REMOTE CONTROLLER
XR-TC80	CX-LTC80	SX-LTC80	RC-CAS05

This Service Manual is the “Revision Publishing” and replace “Simple Manual” (S/M Code No. 09-02B-366-0T1).

# aiwa

S/M Code No. 09-02B-366-0R1

REVISION

DATA

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## SPECIFICATIONS -1/1

### MAIN UNIT CX-LTC80

#### TUNER

FM tuning range	87.5 MHz to 108 MHz
FM usable sensitivity (IHF)	13.2 dBf
FM antenna terminal	75 ohms (unbalanced)
AM tuning range	530 kHz to 1710 kHz (10 kHz step) 531 kHz to 1602 kHz (9 kHz step)
AM usable sensitivity	350 $\mu$ V/m
AM antenna	Loop antenna

#### AMPLIFIER

Power output	16 W + 16 W (40 Hz - 20 kHz, THD less than 1 %, 6 ohms) 20 W + 20 W (1 kHz, THD 10 %, 6 ohms)
Total harmonic distortion	0.06 % (15 W, 1 kHz, 6 ohms, DIN AUDIO)
Input	AUX IN: 500 mV
Outputs	LINE OUT: 200 mV SPEAKERS: 6 ohms or more PHONES: 32 ohms or more

#### CD PLAYER

Laser	Semiconductor laser ( $\lambda$ = 780 nm)
D/A converter	1 bit dual
Signal-to-noise ratio	88 dB (1 kHz, 0 dB)
Wow and flutter	Unmeasurable

#### GENERAL

Power requirements	120 V AC, 60 Hz
Power consumption	46 W
Power consumption in standby mode	With ECO mode on: 0.6 W With ECO mode off: 15 W
Dimensions (W x H x D)	235 x 317 x 292 mm (9 $\frac{3}{8}$ x 12 $\frac{1}{2}$ x 11 $\frac{1}{2}$ in.)
Weight	4.7 kg (10 lbs 6 oz)

### SPEAKER SYSTEM SX-LTC80

Speaker system	2 way, bass reflex (magnetic shielded)
Speaker units	Woofer: 120 mm cone Tweeter: 25 mm dome
Impedance	6 ohms
Dimensions (W x H x D)	150 x 319 x 215 mm (6 x 12 $\frac{5}{8}$ x 8 $\frac{1}{2}$ in.)
Weight	2.3 kg (5 lbs 1 oz)

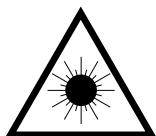
- Design and specifications are subject to change without notice.

## PROTECTION OF EYES FROM LASER BEAM DURING SERVICING -1/1

This set employs laser. Therefore, be sure to follow carefully the instructions below when servicing.

### WARNING!!

WHEN SERVICING, DO NOT APPROACH THE LASER EXIT WITH THE EYE TOO CLOSELY. IN CASE IT IS NECESSARY TO CONFIRM LASER BEAM EMISSION. BE SURE TO OBSERVE FROM A DISTANCE OF MORE THAN 30cm FROM THE SURFACE OF THE OBJECTIVE LENS ON THE OPTICAL PICK-UP BLOCK.



Caution: Invisible laser radiation when open and interlocks defeated avoid exposure to beam.

Advarsel: Usynlig laserstråling ved åbning, når sikkerhedsafbrydere er ude af funktion. Undgå udsættelse for stråling.

### VAROITUS!

Laiteen Käyttäminen muulla kuin tässä käyttöohjeessa mainitulla tavalla saattaa altistaa käyt-täjän turvallisuusluokan 1 ylittävälle näkymättömälle lasersäteilylle.

### WARNING!

Om apparaten används på annat sätt än vad som specificeras i denna bruksanvisning, kan användaren utsättas för osynlig laserstrålning, som överskrider gränsen för laserklass 1.

### CAUTION

Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

### ATTENTION

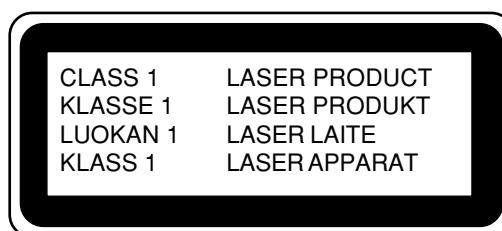
L'utilisation de commandes, réglages ou procédures autres que ceux spécifiés peut entraîner une dangereuse exposition aux radiations.

### ADVARSEL

Usynlig laserstråling ved åbning, når sikkerhedsafbrydere er ude af funktion. Undgå udsættelse for stråling.

This Compact Disc player is classified as a CLASS 1 LASER product.

The CLASS 1 LASER PRODUCT label is located on the rear exterior.



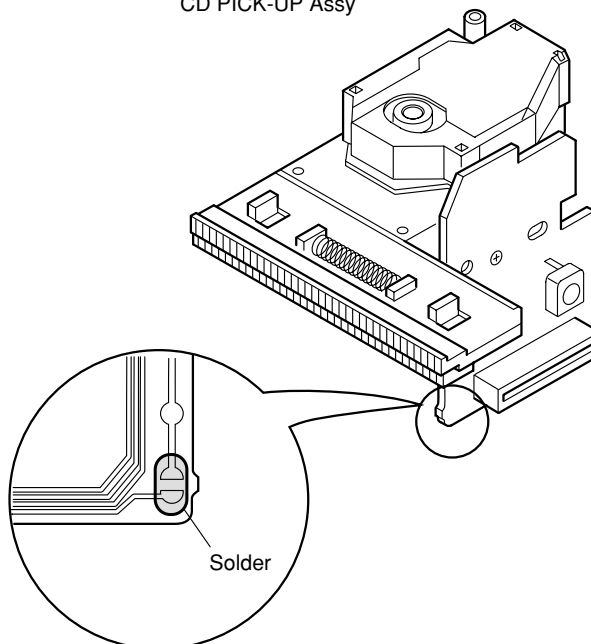
## Precaution to replace Optical block

### (BZL-5 A1NF)

Body or clothes electrostatic potential could ruin laser diode in the optical block. Be sure ground body and workbench, and use care the clothes do not touch the diode.

1) After the connection, remove solder shown in right figure.

CD PICK-UP Assy





ACCESSORIES PARTS LIST -1/1

! = ⚠ SAFETY PARTS  
C = Components marked  
All components used on this model at the production line are shown in this service manual.  
However, please note that not all components will be available as spare parts for after-sales service.  
Components marked S and O are designated as spare parts for service and will be stocked at the spare parts centers.  
Components marked X and R are not designated as spare parts for after sales service, and will not be stocked at the spare parts centers.

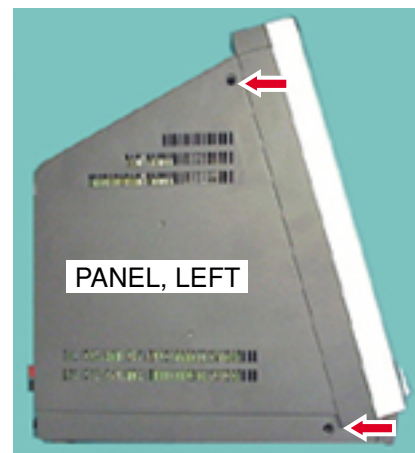
UNIT-NAME	! C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL	
					CX-SLTC80	CX-SLTC80
					USC	UCSC
	O	AS1001	8C-DC1-903-010	IB,U(ESF)BF XR-TC80	a	b
	O	AS1002	8C-CL3-701-110	RC UNIT,RC-CAS05	a	b
	O	AS1003	87-006-226-110	ANT,LOOP AM	a	b
	O	AS1004	87-A92-345-110	ANT,WIRE FM(SEMI-ST)	a	b

## DISASSEMBLY INSTRUCTIONS -1/2

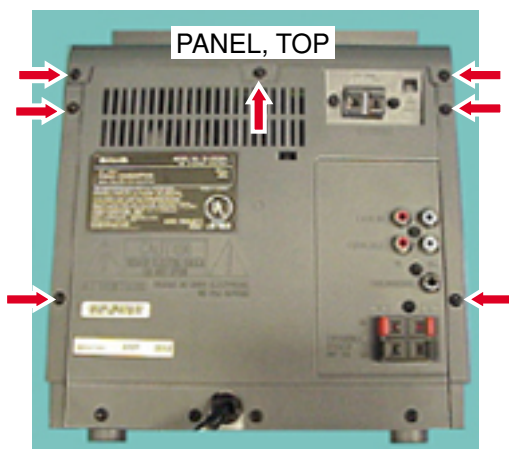
1) Remove two screws.



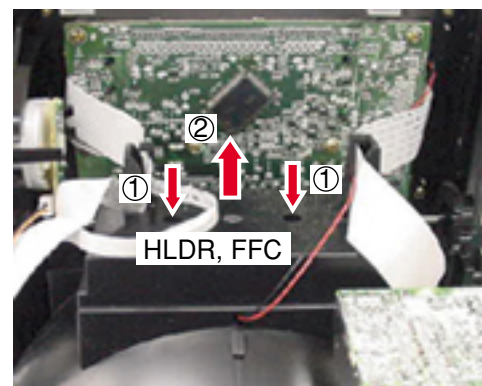
2) Remove two screws.



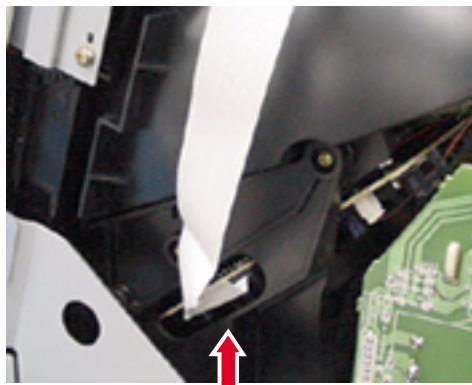
3) Remove seven screws and remove PANEL, TOP /RIGHT/LEFT.



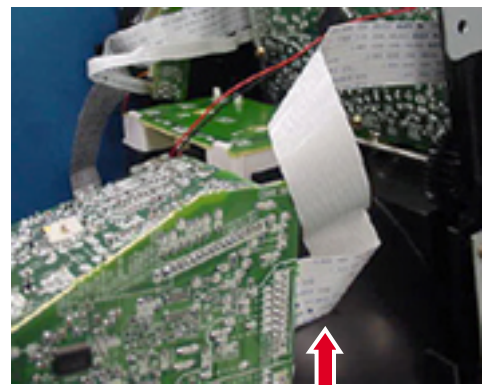
4) Remove two screws ① and remove HLDR, FFC ②.



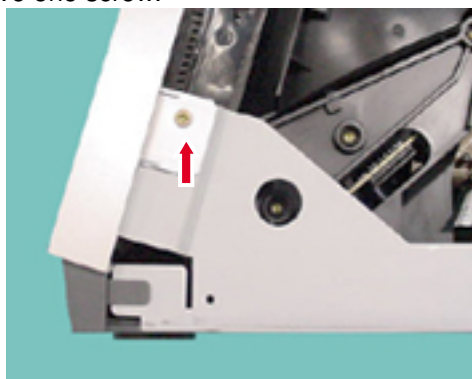
5) Remove FFC.



6) Remove FFC.



7) Remove one screw.

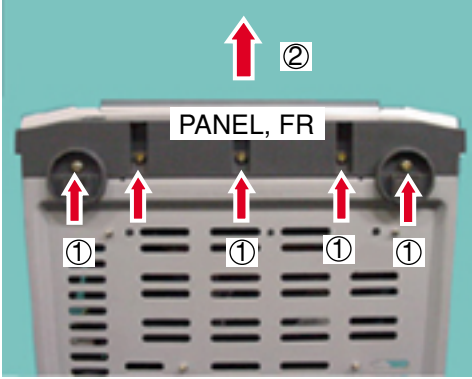


8) Remove one screw.

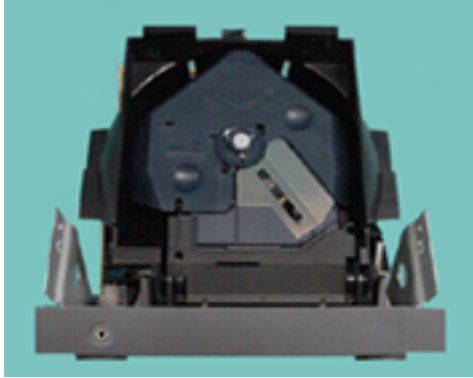


DISASSEMBLY INSTRUCTIONS -2/2

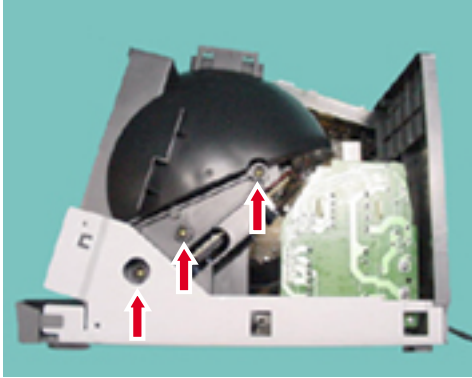
9) Remove five screws ① , remove PANEL, FR ② .



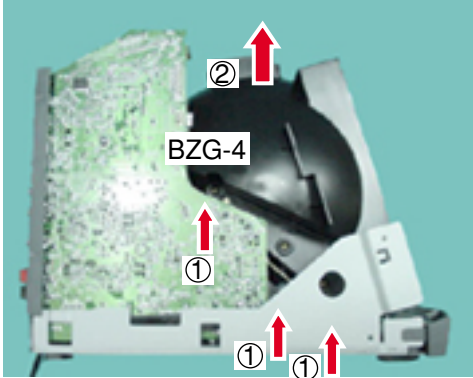
10) The condition of PANEL, FR removed.



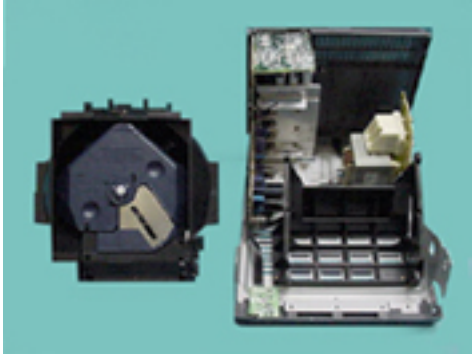
11) Remove three screws.



12) Remove three screws ① , remove BZG-4 ② .



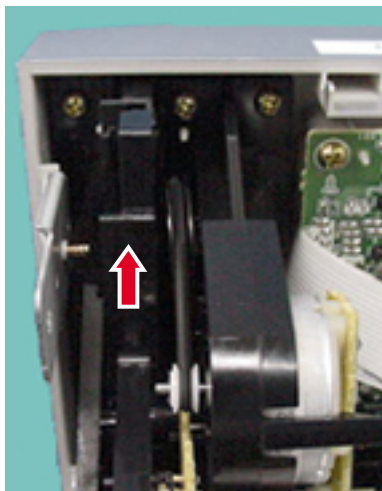
13) The condition of BZG-4 removed.



## HOW TO EJECT THE DISC AT A POWER SUPPLY STOPPING -1/1

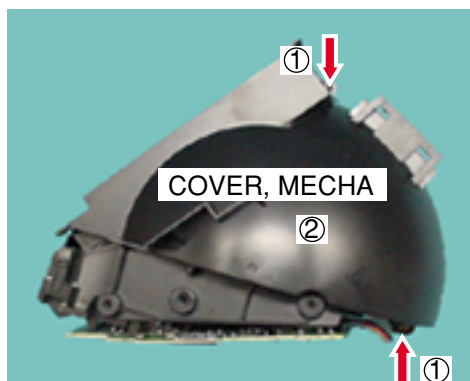
### 1. How to eject the TOP DISC

- 1) Remove PANEL, TOP.
- 2) Rotate OPEN/CLOSE WINDOW belt to the direction of allow, open the window and eject the DISC.



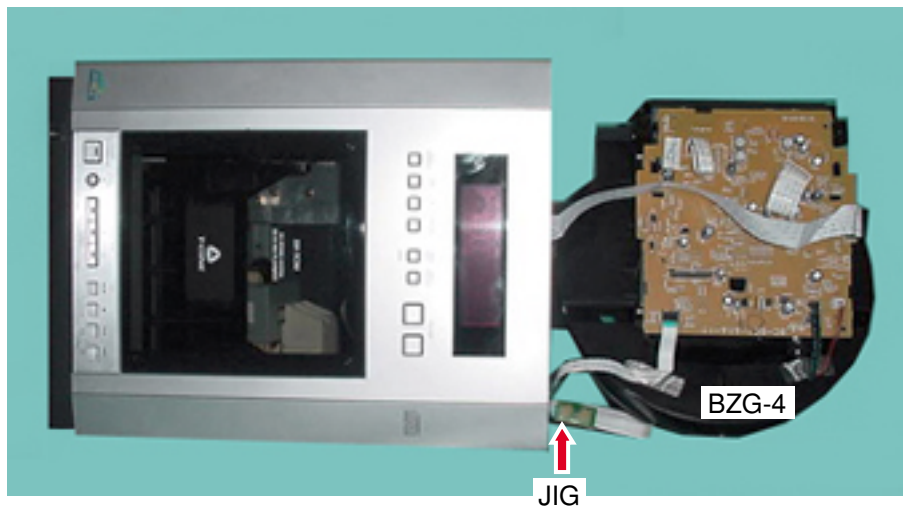
### 2. How to eject the REAR DISC

- 1) Remove BZG-4 following the DISASSEMBLY INSTRUCTIONS.
- 2) Remove two screws ①, and remove COVER, MECHA ②, and eject the DISC.



## CD SERVICE POSITION -1/1

- 1) Remove BZG-4 following DISASSEMBLY INSTRUCTIONS.
- 2) Prepare FFC EXTENSION JIG KIT (SV-J00-010-010).
- 3) Extend FF-CABLE, 6P with FFC EXTENSION JIG (6P).



# ELECTRICAL PARTS LIST - 1/12

! = SAFETY PARTS

C = Components marked

All components used on this model at the production line are shown in this service manual.

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UNIT-NAME	! C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL	
					CX-SLTC80 USC	CX-SLTC80 UCSC
CD	O C	0501	87-010-263-040	CAP,E 100-10 M 11L SME	a	b
CD	O C	0502	87-A10-260-080	C-CAP,U 0.1-16 K B	a	b
CD	O C	0503	87-010-263-040	CAP,E 100-10 M 11L SME	a	b
CD	O C	0504	87-010-263-040	CAP,E 100-10 M 11L SME	a	b
CD	O C	0505	87-010-263-040	CAP,E 100-10 M 11L SME	a	b
CD	O C	0511	87-012-278-080	C-CAP,U 2200P-50 K B GRM	a	b
CD	O C	0512	87-A10-260-080	C-CAP,U 0.1-16 K B	a	b
CD	O C	0513	87-A10-260-080	C-CAP,U 0.1-16 K B	a	b
CD	O C	0514	87-A10-260-080	C-CAP,U 0.1-16 K B	a	b
CD	O C	0515	87-A10-260-080	C-CAP,U 0.1-16 K B	a	b
CD	O C	0518	87-010-404-040	CAP,E 4.7-50 M 11L SME	a	b
CD	O C	0519	87-A10-260-080	C-CAP,U 0.1-16 K B	a	b
CD	O C	0520	87-012-286-080	C-CAP,U 0.01-25 K B GRM	a	b
CD	O C	0521	87-012-197-080	C-CAP,U 150P-50 J CH GRM	a	b
CD	O C	0522	87-012-286-080	C-CAP,U 0.01-25 K B GRM	a	b
CD	O C	0523	87-A10-826-080	C-CAP,S 1-10 K B	a	b
CD	O C	0524	87-010-379-040	CAP,E 22-16 M 11L SME	a	b
CD	O C	0525	87-010-785-080	C-CAP,U 0.015-25 K B GRM	a	b
CD	O C	0526	87-012-286-080	C-CAP,U 0.01-25 K B GRM	a	b
CD	O C	0527	87-A11-070-080	C-CAP,U 0.033-16 K B	a	b
CD	O C	0528	87-A11-070-080	C-CAP,U 0.033-16 K B	a	b
CD	O C	0529	87-A11-132-080	CAP,TC U 0.01-50 K B	a	b
CD	O C	0530	87-012-162-080	C-CAP,U 1P-50 C CH GRM	a	b
CD	O C	0531	87-012-168-080	C-CAP,U 6P-50 D CH GRM	a	b
CD	O C	0532	87-A10-826-080	C-CAP,S 1-10 K B	a	b
CD	O C	0533	87-A11-317-080	C-CAP,U 0.068U-16 K B	a	b
CD	O C	0534	87-010-404-040	CAP,E 4.7-50 M 11L SME	a	b
CD	O C	0535	87-A10-504-080	C-CAP,U 0.047-16 K B	a	b
CD	O C	0536	87-A10-504-080	C-CAP,U 0.047-16 K B	a	b
CD	O C	0537	87-010-787-080	C-CAP,U 0.022-25 K B GRM	a	b
CD	O C	0538	87-012-270-080	C-CAP,U 470P-50 K B GRM	a	b
CD	O C	0539	87-A10-504-080	C-CAP,U 0.047-16 K B	a	b
CD	O C	0540	87-A10-260-080	C-CAP,U 0.1-16 K B	a	b
CD	O C	0541	87-010-263-040	CAP,E 100-10 M 11L SME	a	b
CD	O C	0542	87-012-274-080	C-CAP,U 1000P-50 K B GRM	a	b
CD	O C	0544	87-010-401-040	CAP,E 1-50 M 11L SME	a	b
CD	O C	0551	87-010-831-080	C-CAP,U 0.1-16 Z F GRM	a	b
CD	O C	0552	87-010-831-080	C-CAP,U 0.1-16 Z F GRM	a	b
CD	O C	0561	87-010-263-040	CAP,E 100-10 M 11L SME	a	b
CD	O C	0581	87-016-459-040	CAP,E 470-10 M SMG	a	b
CD	O C	0582	87-010-831-080	C-CAP,U 0.1-16 Z F GRM	a	b
CD	O C	0583	87-A11-981-040	CAP,E 330-10 M SMG	a	b
CD	O C	0584	87-010-831-080	C-CAP,U 0.1-16 Z F GRM	a	b
CD	O C	0601	87-012-195-080	C-CAP,U 100P-50 J CH GRM	a	b
CD	O C	0602	87-012-172-080	C-CAP,U 10P-50 D CH GRM	a	b
CD	O C	0604	87-012-172-080	C-CAP,U 10P-50 D CH GRM	a	b
CD	O C	0605	87-012-172-080	C-CAP,U 10P-50 D CH GRM	a	b
CD	O C	0606	87-012-195-080	C-CAP,U 100P-50 J CH GRM	a	b
CD	O C	0607	87-012-199-080	C-CAP,U 220P-50 J CH GRM	a	b
CD	O C	0611	87-010-831-080	C-CAP,U 0.1-16 Z F GRM	a	b
CD	O C	0632	87-012-280-080	C-CAP,U 3300P-50 K B GRM	a	b
CD	O C	0641	87-010-401-040	CAP,E 1-50 M 11L SME	a	b
CD	O C	0651	87-010-248-040	CAP,E 220-10 M 11L SME	a	b
CD	O C	0652	87-010-831-080	C-CAP,U 0.1-16 Z F GRM	a	b
CD	O C	0653	87-010-370-040	CAP,E 330-6.3 M 11L SME	a	b
CD	O C	0654	87-010-831-080	C-CAP,U 0.1-16 Z F GRM	a	b
CD	O C	0655	87-A12-319-080	C-CAP,U 0.1-25 K B	a	b
CD	O C	0658	87-010-831-080	C-CAP,U 0.1-16 Z F GRM	a	b
CD	O C	0660	87-A10-504-080	C-CAP,U 0.047-16 K B	a	b
CD	O C	0661	87-012-284-080	C-CAP,U 6800P-50 K B GRM	a	b
CD	O C	0662	87-012-282-080	C-CAP,U 4700P-50 K B GRM	a	b
CD	O C	0663	87-012-199-080	C-CAP,U 220P-50 J CH GRM	a	b
CD	O C	0665	87-A10-902-080	C-CAP,U 0.47-10 K B	a	b
CD	O C	0666	87-012-195-080	C-CAP,U 100P-50 J CH GRM	a	b
CD	O C	0670	87-012-178-080	C-CAP,U 18P-50 J CH GRM	a	b
CD	O C	0671	87-012-172-080	C-CAP,U 10P-50 D CH GRM	a	b
CD	O C	0672	87-012-172-080	C-CAP,U 10P-50 D CH GRM	a	b
CD	O C	0673	87-010-831-080	C-CAP,U 0.1-16 Z F GRM	a	b
CD	O C	0674	87-010-831-080	C-CAP,U 0.1-16 Z F GRM	a	b
CD	O C	0681	87-012-197-080	C-CAP,U 150P-50 J CH GRM	a	b
CD	O C	0682	87-012-197-080	C-CAP,U 150P-50 J CH GRM	a	b
CD	O C	0683	87-012-272-080	C-CAP,U 680P-50 K B GRM	a	b
CD	O C	0684	87-012-272-080	C-CAP,U 680P-50 K B GRM	a	b
CD	O C	0685	87-010-402-040	CAP,E 2.2-50 M 11L SME	a	b
CD	O C	0686	87-010-402-040	CAP,E 2.2-50 M 11L SME	a	b
CD	O C	0687	87-012-280-080	C-CAP,U 3300P-50 K B GRM	a	b
CD	O C	0688	87-012-280-080	C-CAP,U 3300P-50 K B GRM	a	b
CD	O C	0691	87-012-274-080	C-CAP,U 1000P-50 K B GRM	a	b
CD	O C	0701	87-012-286-080	C-CAP,U 0.01-25 K B GRM	a	b
CD	O C	0703	87-010-260-040	CAP,E 47-25 M 11L SME	a	b

# ELECTRICAL PARTS LIST - 2/12

! = SAFETY PARTS

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UNIT-NAME	! C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL	
					CX-SLTC80 USC	CX-SLTC80 UCSC
CD		O CN	0501	87-A60-424-010	a	b
CD		O CN	0502	87-099-194-010	a	b
CD		O CN	0503	87-A60-619-010	a	b
CD		O CN	0504	87-A61-739-010	a	b
CD		O CN	0602	87-099-199-010	a	b
CD		O CN	0611	87-099-031-010	a	b
CD		S D	0531	87-020-465-080	a	b
CD		S D	0581	87-A40-553-080	a	b
CD		S D	0582	87-A40-553-080	a	b
CD		S D	0651	87-020-465-080	a	b
CD		S D	0701	87-020-465-080	a	b
CD		S D	0702	87-020-465-080	a	b
CD		O FFC	0504	88-904-201-110	a	b
CD		S IC	0501	87-A20-547-010	a	b
CD		S IC	0551	87-017-917-040	a	b
CD		S IC	0581	87-A22-256-040	a	b
CD		S IC	0651	87-A20-546-010	a	b
CD		S IC	0701	87-A22-283-010	a	b
CD		O JW	0501	87-008-372-080	a	b
CD		O JW	0606	87-008-372-080	a	b
					CX-SLTC80 USC	CX-SLTC80 UCSC
CD		O JW	0626	87-008-372-080	a	.
CD		X JW	0626	87-008-474-010	.	b
CD		O L	0501	87-003-286-080	a	b
CD		X L	0502	88-121-479-080	a	b
CD		O L	0651	87-003-284-080	a	b
CD		X L	0652	88-100-000-010	a	b
CD		S Q	0501	87-A30-075-080	a	.
CD		S Q	0501	87-A30-075-040	.	b
CD		S Q	0581	87-A30-495-080	a	b
CD		S Q	0582	87-A30-076-080	a	.
CD		S Q	0582	87-A30-076-040	.	b
CD		S Q	0591	87-A30-288-040	a	b
CD		S Q	0702	87-A30-075-080	a	.
CD		S Q	0702	87-A30-075-040	.	b
CD		S Q	0703	87-A30-075-080	a	.
CD		S Q	0703	87-A30-075-040	.	b
CD		O R	0501	88-108-123-080	a	b
CD		X R	0502	88-108-472-080	a	b
CD		O R	0503	88-108-332-080	a	b
CD		X R	0504	88-108-684-080	a	b
					CX-SLTC80 USC	CX-SLTC80 UCSC
CD		X R	0505	88-108-104-080	a	b
CD		X R	0507	88-108-564-080	a	b
CD		O R	0508	88-108-473-080	a	b
CD		X R	0509	88-108-683-080	a	b
CD		X R	0510	88-108-124-080	a	b
CD		O R	0511	88-108-223-080	a	b
CD		O R	0512	88-108-823-080	a	b
CD		X R	0513	88-108-472-080	a	b
CD		X R	0514	88-108-154-080	a	b
CD		X R	0515	88-108-000-080	a	b
CD		O R	0516	88-108-102-080	a	b
CD		O R	0517	88-108-102-080	a	b
CD		O R	0518	88-108-102-080	a	b
CD		X R	0519	88-108-183-080	a	b
CD		O R	0520	88-108-223-080	a	b
CD		X R	0521	88-108-472-080	a	b
CD		O R	0522	88-108-473-080	a	b
CD		O R	0531	88-108-103-080	a	b
CD		O R	0532	88-108-153-080	a	b
CD		X R	0535	88-108-105-080	a	b
					CX-SLTC80 USC	CX-SLTC80 UCSC
CD		X R	0536	88-108-000-080	a	b
CD		X R	0537	88-108-104-080	a	b
CD		X R	0538	88-108-154-080	a	b
CD		O R	0539	88-108-473-080	a	b
CD		X R	0540	88-108-334-080	a	b
CD		X R	0541	88-108-100-080	a	b
CD		O R	0542	88-108-101-080	a	b
CD		O R	0545	88-108-103-080	a	b
CD		X R	0546	88-121-103-080	a	b
CD		X R	0547	88-108-124-080	a	b
CD		O R	0548	88-108-102-080	a	b
CD		O R	0551	87-022-239-080	a	b
CD		O R	0552	87-022-239-080	a	b
CD		O R	0553	87-022-239-080	a	b
CD		O R	0554	87-022-239-080	a	b
CD		O R	0555	87-022-247-080	a	b
CD		O R	0556	87-022-247-080	a	b
CD		O R	0557	88-108-102-080	a	b
CD		X R	0558	88-118-102-080	a	b
CD		O R	0559	87-022-249-080	a	b

# ELECTRICAL PARTS LIST - 3/12

! =  SAFETY PARTS

C = Components marked

All components used on this model at the production line are shown in this service manual.

However, please note that not all components will be available as spare parts for after-sales service.

Components marked S and O are designated as spare parts for service and will be stocked at the spare parts centers.

Components marked X and R are not designated as spare parts for after sales service, and will not be stocked at the spare parts centers.

UNIT-NAME		! C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL	
						CX-SLTC80 USC	CX-SLTC80 UCSC
CD		O R	0560	87-022-249-080	C-RES,U 27K-1/16W F	a	b
CD		O R	0561	87-022-229-080	C-RES,U 3.9K-1/16W F	a	b
CD		O R	0562	87-022-229-080	C-RES,U 3.9K-1/16W F	a	b
CD		O R	0563	87-022-255-080	C-RES,U 47K-1/16W F	a	b
CD		O R	0564	87-022-255-080	C-RES,U 47K-1/16W F	a	b
CD		X R	0565	88-108-000-080	C-JUMPER,U	a	b
CD		X R	0566	88-108-000-080	C-JUMPER,U	a	b
CD		X R	0567	88-108-472-080	C-RES,U 4.7K-1/16W J	a	b
CD		X R	0568	88-108-472-080	C-RES,U 4.7K-1/16W J	a	b
CD		O R	0569	88-108-332-080	C-RES,U 3.3K-1/16W J	a	b
CD		O R	0570	88-108-473-080	C-RES,U 47K-1/16W J	a	b
CD		O R	0571	88-108-102-080	C-RES,U 1K-1/16W J	a	b
CD		O R	0572	88-108-103-080	C-RES,U 10K-1/16W J	a	b
CD		X R	0581	88-140-229-080	RES,2.2-1/2W J	a	b
CD		O R	0582	88-108-101-080	C-RES,U 100-1/16W J	a	b
CD		O R	0584	88-108-103-080	C-RES,U 10K-1/16W J	a	b
CD		O R	0585	87-012-274-080	C-CAP,U 1000P-50 K B GRM	a	b
CD		O R	0591	88-108-822-080	C-RES,U 8.2K-1/16W J	a	b
CD		O R	0592	88-108-103-080	C-RES,U 10K-1/16W J	a	b
CD		O R	0593	88-108-822-080	C-RES,U 8.2K-1/16W J	a	b
						CX-SLTC80 USC	CX-SLTC80 UCSC
CD		X R	0594	88-108-000-080	C-JUMPER,U	a	b
CD		X R	0595	88-108-472-080	C-RES,U 4.7K-1/16W J	a	b
CD		X R	0596	88-108-000-080	C-JUMPER,U	a	b
CD		O R	0597	88-108-102-080	C-RES,U 1K-1/16W J	a	b
CD		X R	0598	88-108-104-080	C-RES,U 100K-1/16W J	a	b
CD		X R	0599	88-118-471-080	C-RES,S 470-1/10W J	a	b
CD		O R	0601	88-108-101-080	C-RES,U 100-1/16W J	a	b
CD		O R	0602	88-108-101-080	C-RES,U 100-1/16W J	a	b
CD		O R	0603	88-108-101-080	C-RES,U 100-1/16W J	a	b
CD		O R	0604	88-108-101-080	C-RES,U 100-1/16W J	a	b
CD		O R	0605	88-108-101-080	C-RES,U 100-1/16W J	a	b
CD		O R	0606	88-108-101-080	C-RES,U 100-1/16W J	a	b
CD		O R	0607	88-108-101-080	C-RES,U 100-1/16W J	a	b
CD		O R	0631	88-108-823-080	C-RES,U 82K-1/16W J	a	b
CD		O R	0633	88-108-473-080	C-RES,U 47K-1/16W J	a	b
CD		X R	0651	88-121-220-080	RES,22-1/8W J	a	b
CD		X R	0652	88-108-220-080	C-RES,U 22-1/16W J	a	b
CD		O R	0653	87-008-372-080	FLTR,EMI BL01 RN1	a	b
CD		X R	0654	88-108-000-080	C-JUMPER,U	a	b
CD		X R	0657	88-108-104-080	C-RES,U 100K-1/16W J	a	b
						CX-SLTC80 USC	CX-SLTC80 UCSC
CD		O R	0658	88-108-332-080	C-RES,U 3.3K-1/16W J	a	b
CD		O R	0659	88-108-332-080	C-RES,U 3.3K-1/16W J	a	b
CD		O R	0660	88-108-103-080	C-RES,U 10K-1/16W J	a	b
CD		X R	0661	88-108-105-080	C-RES,U 1M-1/16W J	a	b
CD		X R	0662	88-108-393-080	C-RES,U 39K-1/16W J	a	b
CD		O R	0663	88-108-103-080	C-RES,U 10K-1/16W J	a	b
CD		O R	0665	88-108-101-080	C-RES,U 100-1/16W J	a	b
CD		X R	0669	88-108-105-080	C-RES,U 1M-1/16W J	a	b
CD		X R	0670	88-108-561-080	C-RES,U 560-1/16W J	a	b
CD		O R	0671	88-108-224-080	C-RES,U 220K-1/16W J	a	b
CD		O R	0672	88-108-101-080	C-RES,U 100-1/16W J	a	b
CD		X R	0680	88-100-000-010	PLATING-JW, 0.58 SN95	a	b
CD		O R	0681	88-108-123-080	C-RES,U 12K-1/16W J	a	b
CD		O R	0682	88-108-123-080	C-RES,U 12K-1/16W J	a	b
CD		O R	0683	88-108-123-080	C-RES,U 12K-1/16W J	a	b
CD		O R	0684	88-108-123-080	C-RES,U 12K-1/16W J	a	b
CD		O R	0685	88-108-123-080	C-RES,U 12K-1/16W J	a	b
CD		O R	0686	88-108-123-080	C-RES,U 12K-1/16W J	a	b
CD		X R	0687	88-108-182-080	C-RES,U 1.8K-1/16W J	a	b
CD		X R	0688	88-108-182-080	C-RES,U 1.8K-1/16W J	a	b
						CX-SLTC80 USC	CX-SLTC80 UCSC
CD		O R	0689	88-108-103-080	C-RES,U 10K-1/16W J	a	b
CD		O R	0690	88-108-103-080	C-RES,U 10K-1/16W J	a	b
CD		X R	0691	88-108-000-080	C-JUMPER,U	a	b
CD		X R	0692	88-108-000-080	C-JUMPER,U	a	b
CD		O R	0701	88-108-102-080	C-RES,U 1K-1/16W J	a	b
CD		O R	0702	88-108-102-080	C-RES,U 1K-1/16W J	a	b
CD		X R	0703	88-121-229-080	RES,2.2-1/8W J	a	b
CD		X R	0704	88-108-000-080	C-JUMPER,U	a	b
CD		X R	0705	88-108-471-080	C-RES,U 470-1/16W J	a	b
CD		X R	0706	88-108-471-080	C-RES,U 470-1/16W J	a	b
CD		X R	0711	88-108-104-080	C-RES,U 100K-1/16W J	a	b
CD		O R	0712	88-108-223-080	C-RES,U 22K-1/16W J	a	b
CD		O R	0713	88-108-153-080	C-RES,U 15K-1/16W J	a	b
CD		O R	0714	88-108-223-080	C-RES,U 22K-1/16W J	a	b
CD		O R	0715	88-108-563-080	C-RES,U 56K-1/16W J	a	b
CD		X R	0716	88-108-184-080	C-RES,U 180K-1/16W J	a	b
CD		X R	0717	88-108-154-080	C-RES,U 150K-1/16W J	a	b
CD		X R	0721	88-118-689-080	C-RES,S 6.8-1/10W J	a	b
CD		X R	0722	88-118-689-080	C-RES,S 6.8-1/10W J	a	b
CD		X R	0723	88-118-689-080	C-RES,S 6.8-1/10W J	a	b



# ELECTRICAL PARTS LIST - 4/12

! = ⚠ SAFETY PARTS

C = Components marked

All components used on this model at the production line are shown in this service manual.

However, please note that not all components will be available as spare parts for after-sales service.

Components marked S and O are designated as spare parts for service and will be stocked at the spare parts centers.

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UNIT-NAME	! C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL	
					CX-SLTC80 USC	CX-SLTC80 UCSC
CD	X R	0724	88-118-689-080	C-RES,S 6.8-1/10W J	a	b
CD	X R	0725	88-108-472-080	C-RES,U 4.7K-1/16W J	a	b
CD	O	SFR0531	87-024-440-080	SFR,470K H RH063MC	a	b
CD	O	SFR0551	87-024-437-080	SFR,100K H RH063MC	a	b
CD	O	SFR0552	87-024-438-080	SFR,220K H RH063MC	a	b
CD	O X	0651	87-A70-363-010	VIB,XTAL 16.9344MHZ CSA-309	a	b
CD SW	O CN	0001	87-A60-589-010	CONN,4P V TOC-B	a	b
CD SW	O S	0001	8B-ZG4-616-010	C-SW,LVR 2-2-2 ESE24MV6	a	b
CD SW	O S	0002	8B-ZG4-617-010	SW,LVR 2-2-2 ESE24SV6	a	b
CD SW	O S	0003	8B-ZG4-617-010	SW,LVR 2-2-2 ESE24SV6	a	b
DOOR SW	O	CNA0331	8C-DC1-605-010	CONN ASSY,2P SW	a	b
DOOR SW	O R	0370	88-108-153-080	C-RES,U 15K-1/16W J	a	b
DOOR SW	O S	0301	87-036-109-010	SW,MICRO SPPB61	a	b
DOOR SW	O S	0302	87-036-109-010	SW,MICRO SPPB61	a	b
FRONT	O C	0101	87-012-195-080	C-CAP,U 100P-50 J CH GRM	a	b
FRONT	O C	0102	87-010-759-080	C-CAP,U 0.1-25 Z F CM/CB	a	b
FRONT	O C	0103	87-010-759-080	C-CAP,U 0.1-25 Z F CM/CB	a	b
FRONT	O C	0104	87-010-759-080	C-CAP,U 0.1-25 Z F CM/CB	a	b
FRONT	O C	0105	87-010-248-040	CAP,E 220-10 M 11L SME	a	b
FRONT	O C	0106	87-012-274-080	C-CAP,U 1000P-50 K B GRM	a	b
FRONT	O C	0114	87-012-274-080	C-CAP,U 1000P-50 K B GRM	a	b
FRONT	O C	0151	87-012-285-080	C-CAP,U 8200P-50 K B GRM	a	b
FRONT	O C	0152	87-012-278-080	C-CAP,U 2200P-50 K B GRM	a	b
FRONT	O C	0153	87-A10-353-080	C-CAP,U 0.22-10 K B	a	b
FRONT	O C	0154	87-010-785-080	C-CAP,U 0.015-25 K B GRM	a	b
FRONT	O C	0155	87-012-176-080	C-CAP,U 15P-50 J CH GRM	a	b
FRONT	O C	0156	87-012-198-080	C-CAP,U 180P-50 J CH GRM	a	b
FRONT	O C	0157	87-A10-039-080	C-CAP,U 470P-50 J CH	a	b
FRONT	O C	0159	87-012-172-080	C-CAP,U 10P-50 D CH GRM	a	.
FRONT	O C	0159	87-012-184-080	C-CAP,U 33P-50 J CH GRM	.	b
FRONT	O C	0160	87-012-184-080	C-CAP,U 33P-50 J CH GRM	.	b
FRONT	O C	0191	87-010-391-040	CAP,E 10-35 M 11L SME	a	b
FRONT	O C	0201	87-012-199-080	C-CAP,U 220P-50 J CH GRM	a	b
FRONT	O C	0202	87-012-199-080	C-CAP,U 220P-50 J CH GRM	a	b
FRONT	O C	0203	87-012-195-080	C-CAP,U 100P-50 J CH GRM	a	b
FRONT	O C	0204	87-012-195-080	C-CAP,U 100P-50 J CH GRM	a	b
FRONT	O C	0205	87-012-195-080	C-CAP,U 100P-50 J CH GRM	a	b
FRONT	O C	0206	87-012-195-080	C-CAP,U 100P-50 J CH GRM	a	b
FRONT	O C	0207	87-012-195-080	C-CAP,U 100P-50 J CH GRM	a	b
FRONT	O C	0208	87-012-195-080	C-CAP,U 100P-50 J CH GRM	a	b
FRONT	O C	0209	87-012-195-080	C-CAP,U 100P-50 J CH GRM	a	b
FRONT	O C	0210	87-012-195-080	C-CAP,U 100P-50 J CH GRM	a	b
FRONT	O C	0213	87-010-404-040	CAP,E 4.7-50 M 11L SME	a	b
FRONT	O C	0214	87-010-404-040	CAP,E 4.7-50 M 11L SME	a	b
FRONT	O C	0215	87-010-408-040	CAP,E 47-50 M 11L SME	a	b
FRONT	O C	0216	87-012-369-080	C-CAP,S 0.047-50 Z F GRM	a	b
FRONT	O C	0351	87-012-286-080	C-CAP,U 0.01-25 K B GRM	a	b
FRONT	O C	0353	87-010-060-040	CAP,E 100-16 M 7L SRA	a	b
FRONT	O CN	0131	87-099-016-010	CONN,14P V BLK 6216	a	b
FRONT	O CN	0301	87-099-019-010	CONN,17P V BLK 6216	a	b
FRONT	O CN	0303	87-099-211-010	CONN,4P V BLK 6216	a	b
FRONT	O CN	0342	87-099-202-010	CONN,9P H BLK 6216	a	b
FRONT	O	CNA0311	8C-DC1-603-010	CONN ASSY,2P LED	a	b
FRONT	S D	0151	87-A40-748-080	ZENER,UZ5.6BSA	a	b
FRONT	S D	0152	87-A40-269-080	C-DIODE,MC2836	a	.
FRONT	S D	0152	87-A40-269-040	C-DIODE,MC2836	.	b
FRONT	S D	0154	87-020-465-080	DIODE,1SS133	a	b
FRONT	S D	0155	87-020-465-080	DIODE,1SS133	a	b
FRONT	S D	0201	87-A40-269-080	C-DIODE,MC2836	a	.
FRONT	S D	0201	87-A40-269-040	C-DIODE,MC2836	.	b
FRONT	S D	0301	87-020-465-080	DIODE,1SS133	a	b
FRONT	O	FFC0131	88-914-351-110	FF-CABLE,14P 1.25 350MM	a	b
FRONT	O	FL 0201	8C-DC1-601-010	FL,10-BT-246GNK	a	b
FRONT	S IC	0101	8C-DC1-632-030	C-IC,LC876764A-50J8	a	b
FRONT	S IC	0191	87-A22-354-010	IC,GPIUM281XK	a	b
FRONT	S IC	0301	87-A22-283-010	IC,LB1645NL	a	b
FRONT	O L	0151	87-A50-333-010	COIL,OSC 9.43MHZ	a	.
FRONT	O L	0151	8C-NFT-603-010	COIL,CLK9.43MHZ POT	.	b
FRONT	X L	0201	88-100-000-010	PLATING-JW, 0.58 SN95	a	b
FRONT	X L	0202	88-100-000-010	PLATING-JW, 0.58 SN95	a	b
FRONT	S Q	0101	87-A30-538-040	C-TR,SRA2202S	a	b
FRONT	S Q	0152	87-A30-495-080	TR,2SA1981Y	a	b
FRONT	S Q	0153	87-A30-076-080	C-TR,2SC3052F	a	.
FRONT	S Q	0153	87-A30-076-040	C-TR,2SC3052F	.	b
FRONT	S Q	0154	87-A30-076-080	C-TR,2SC3052F	a	.
FRONT	S Q	0154	87-A30-076-040	C-TR,2SC3052F	.	b
FRONT	S Q	0155	87-A30-076-080	C-TR,2SC3052F	a	.
FRONT	S Q	0155	87-A30-076-040	C-TR,2SC3052F	.	b
FRONT	S Q	0156	87-A30-538-040	C-TR,SRA2202S	a	b
FRONT	S Q	0302	87-A30-075-080	C-TR,2SA1235F	a	.

# ELECTRICAL PARTS LIST - 5/12

! = SAFETY PARTS

C = Components marked

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Components marked X and R are not designated as spare parts for after sales service, and will not be stocked at the spare parts centers.

UNIT-NAME	! C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL	
					CX-SLTC80 USC	CX-SLTC80 UCSC
FRONT	S Q	0302	87-A30-075-040	C-TR,2SA1235F	.	b
FRONT	S Q	0331	87-A30-429-040	C-TR,DTC123JKA	a	b
FRONT	S Q	0332	87-A30-429-040	C-TR,DTC123JKA	a	b
FRONT	S Q	0333	87-A30-429-040	C-TR,DTC123JKA	a	b
FRONT	S Q	0334	87-A30-076-080	C-TR,2SC3052F	a	.
FRONT	S Q	0334	87-A30-076-040	C-TR,2SC3052F	.	b
FRONT	S Q	0351	87-A30-429-040	C-TR,DTC123JKA	a	b
FRONT	X R	0112	88-108-683-080	C-RES,U 68K-1/16W J	a	b
FRONT	X R	0116	88-108-000-080	C-JUMPER,U	a	b
FRONT	X R	0120	88-108-104-080	C-RES,U 100K-1/16W J	a	b
FRONT	X R	0121	88-108-104-080	C-RES,U 100K-1/16W J	a	b
FRONT	X R	0123	88-121-103-080	RES,10K-1/8W J	a	b
FRONT	X R	0124	88-121-222-080	RES,2.2K-1/8W J	a	b
FRONT	X R	0152	88-108-104-080	C-RES,U 100K-1/16W J	a	b
FRONT	X R	0153	88-108-472-080	C-RES,U 4.7K-1/16W J	a	b
FRONT	O R	0154	88-108-153-080	C-RES,U 15K-1/16W J	a	b
FRONT	O R	0155	88-108-102-080	C-RES,U 1K-1/16W J	a	b
FRONT	X R	0156	88-128-471-080	C-RES, 470-1/8W J	a	b
FRONT	O R	0157	88-108-103-080	C-RES,U 10K-1/16W J	a	b
FRONT	O R	0158	88-108-153-080	C-RES,U 15K-1/16W J	a	b
					CX-SLTC80 USC	CX-SLTC80 UCSC
FRONT	X R	0159	88-108-333-080	C-RES,U 33K-1/16W J	a	b
FRONT	X R	0160	88-108-124-080	C-RES,U 120K-1/16W J	a	b
FRONT	O R	0162	88-108-224-080	C-RES,U 220K-1/16W J	a	b
FRONT	O R	0163	88-108-224-080	C-RES,U 220K-1/16W J	a	b
FRONT	O R	0164	88-108-101-080	C-RES,U 100-1/16W J	a	b
FRONT	O R	0171	88-108-102-080	C-RES,U 1K-1/16W J	a	b
FRONT	O R	0172	88-108-102-080	C-RES,U 1K-1/16W J	a	b
FRONT	O R	0173	88-108-102-080	C-RES,U 1K-1/16W J	a	b
FRONT	O R	0174	88-108-102-080	C-RES,U 1K-1/16W J	a	b
FRONT	O R	0175	88-108-102-080	C-RES,U 1K-1/16W J	a	b
FRONT	O R	0176	88-108-102-080	C-RES,U 1K-1/16W J	a	b
FRONT	O R	0177	88-108-102-080	C-RES,U 1K-1/16W J	a	b
FRONT	O R	0178	88-108-103-080	C-RES,U 10K-1/16W J	a	b
FRONT	O R	0179	88-108-103-080	C-RES,U 10K-1/16W J	a	b
FRONT	O R	0180	88-108-102-080	C-RES,U 1K-1/16W J	a	b
FRONT	O R	0181	88-108-101-080	C-RES,U 100-1/16W J	a	b
FRONT	O R	0182	88-108-101-080	C-RES,U 100-1/16W J	a	b
FRONT	O R	0183	88-108-102-080	C-RES,U 1K-1/16W J	a	b
FRONT	O R	0188	87-012-199-080	C-CAP,U 220P-50 J CH GRM	a	b
FRONT	O R	0190	88-108-102-080	C-RES,U 1K-1/16W J	a	b
					CX-SLTC80 USC	CX-SLTC80 UCSC
FRONT	X R	0191	88-108-181-080	C-RES,U 180-1/16W J	a	b
FRONT	O R	0193	88-108-563-080	C-RES,U 56K-1/16W J	a	b
FRONT	X R	0201	88-108-104-080	C-RES,U 100K-1/16W J	a	b
FRONT	O R	0202	88-108-223-080	C-RES,U 22K-1/16W J	a	b
FRONT	X R	0203	88-108-104-080	C-RES,U 100K-1/16W J	a	b
FRONT	O R	0204	88-108-223-080	C-RES,U 22K-1/16W J	a	b
FRONT	O R	0205	88-108-223-080	C-RES,U 22K-1/16W J	a	b
FRONT	O R	0206	88-108-223-080	C-RES,U 22K-1/16W J	a	b
FRONT	X R	0207	88-108-104-080	C-RES,U 100K-1/16W J	a	b
FRONT	O R	0208	88-108-223-080	C-RES,U 22K-1/16W J	a	b
FRONT	X R	0209	88-108-104-080	C-RES,U 100K-1/16W J	a	b
FRONT	X R	0210	88-108-104-080	C-RES,U 100K-1/16W J	a	b
FRONT	X R	0211	88-108-104-080	C-RES,U 100K-1/16W J	a	b
FRONT	O R	0212	88-108-223-080	C-RES,U 22K-1/16W J	a	b
FRONT	X R	0213	88-108-104-080	C-RES,U 100K-1/16W J	a	b
FRONT	O R	0214	88-108-223-080	C-RES,U 22K-1/16W J	a	b
FRONT	O R	0215	88-108-223-080	C-RES,U 22K-1/16W J	a	b
FRONT	X R	0216	88-108-104-080	C-RES,U 100K-1/16W J	a	b
FRONT	O R	0217	88-108-563-080	C-RES,U 56K-1/16W J	a	b
FRONT	O R	0218	88-108-563-080	C-RES,U 56K-1/16W J	a	b
					CX-SLTC80 USC	CX-SLTC80 UCSC
FRONT	O R	0219	88-108-563-080	C-RES,U 56K-1/16W J	a	b
FRONT	O R	0220	88-108-563-080	C-RES,U 56K-1/16W J	a	b
FRONT	O R	0221	88-108-563-080	C-RES,U 56K-1/16W J	a	b
FRONT	O R	0222	88-108-563-080	C-RES,U 56K-1/16W J	a	b
FRONT	O R	0223	88-108-563-080	C-RES,U 56K-1/16W J	a	b
FRONT	O R	0224	88-108-223-080	C-RES,U 22K-1/16W J	a	b
FRONT	X R	0225	88-108-104-080	C-RES,U 100K-1/16W J	a	b
FRONT	X R	0226	88-108-104-080	C-RES,U 100K-1/16W J	a	b
FRONT	O R	0227	88-108-223-080	C-RES,U 22K-1/16W J	a	b
FRONT	X R	0228	88-108-104-080	C-RES,U 100K-1/16W J	a	b
FRONT	X R	0229	88-108-104-080	C-RES,U 100K-1/16W J	a	b
FRONT	X R	0230	88-108-104-080	C-RES,U 100K-1/16W J	a	b
FRONT	O R	0231	88-108-223-080	C-RES,U 22K-1/16W J	a	b
FRONT	X R	0232	88-108-104-080	C-RES,U 100K-1/16W J	a	b
FRONT	X R	0233	88-108-104-080	C-RES,U 100K-1/16W J	a	b
FRONT	X R	0234	88-108-104-080	C-RES,U 100K-1/16W J	a	b
FRONT	X R	0235	88-108-104-080	C-RES,U 100K-1/16W J	a	b
FRONT	O R	0236	88-108-223-080	C-RES,U 22K-1/16W J	a	b
FRONT	O R	0237	88-108-223-080	C-RES,U 22K-1/16W J	a	b
FRONT	X R	0238	88-108-104-080	C-RES,U 100K-1/16W J	a	b

# ELECTRICAL PARTS LIST - 6/12

! =  $\Delta$  SAFETY PARTS

C = Components marked

All components used on this model at the production line are shown in this service manual.

However, please note that not all components will be available as spare parts for after-sales service.

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UNIT-NAME	! C		REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL	
						CX-SLTC80 USC	CX-SLTC80 UCSC
FRONT	X	R	0239	88-108-104-080	C-RES,U 100K-1/16W J	a	b
FRONT	X	R	0240	88-108-104-080	C-RES,U 100K-1/16W J	a	b
FRONT	X	R	0241	88-108-104-080	C-RES,U 100K-1/16W J	a	b
FRONT	X	R	0242	88-108-104-080	C-RES,U 100K-1/16W J	a	b
FRONT	X	R	0243	88-108-104-080	C-RES,U 100K-1/16W J	a	b
FRONT	X	R	0244	88-108-104-080	C-RES,U 100K-1/16W J	a	b
FRONT	X	R	0245	88-108-104-080	C-RES,U 100K-1/16W J	a	b
FRONT	X	R	0248	88-128-223-080	C-RES, 22K-1/8W J	a	b
FRONT	X	R	0249	88-128-102-080	C-RES, 1K-1/8W J	a	b
FRONT	X	R	0250	88-128-102-080	C-RES, 1K-1/8W J	a	b
FRONT	X	R	0251	88-128-472-080	C-RES, 4.7K-1/8W J	a	b
FRONT	X	R	0252	88-128-472-080	C-RES, 4.7K-1/8W J	a	b
FRONT	X	R	0253	88-128-100-080	C-RES, 10-1/8W J	a	b
FRONT	X	R	0301	88-100-000-010	PLATING-JW, 0.58 SN95	a	b
FRONT	X	R	0302	88-100-000-010	PLATING-JW, 0.58 SN95	a	b
FRONT	X	R	0303	88-128-100-080	C-RES, 10-1/8W J	a	b
FRONT	O	R	0304	88-108-102-080	C-RES,U 1K-1/16W J	a	b
FRONT	O	R	0305	88-108-102-080	C-RES,U 1K-1/16W J	a	b
FRONT	O	R	0307	88-108-101-080	C-RES,U 100-1/16W J	a	b
FRONT	O	R	0308	88-108-101-080	C-RES,U 100-1/16W J	a	b
FRONT	O	R	0309	88-108-101-080	C-RES,U 100-1/16W J	a	b
FRONT	O	R	0310	88-108-102-080	C-RES,U 1K-1/16W J	a	b
FRONT	O	R	0311	88-108-102-080	C-RES,U 1K-1/16W J	a	b
FRONT	O	R	0312	88-108-101-080	C-RES,U 100-1/16W J	a	b
FRONT	O	R	0321	88-108-103-080	C-RES,U 10K-1/16W J	a	b
FRONT	O	R	0322	88-108-102-080	C-RES,U 1K-1/16W J	a	b
FRONT	X	R	0323	88-108-821-080	C-RES,U 820-1/16W J	a	b
FRONT	O	R	0324	88-108-102-080	C-RES,U 1K-1/16W J	a	b
FRONT	X	R	0325	88-108-122-080	C-RES,U 1.2K-1/16W J	a	b
FRONT	X	R	0326	88-108-122-080	C-RES,U 1.2K-1/16W J	a	b
FRONT	X	R	0327	88-108-182-080	C-RES,U 1.8K-1/16W J	a	b
FRONT	X	R	0328	88-108-182-080	C-RES,U 1.8K-1/16W J	a	b
FRONT	X	R	0329	88-121-272-080	RES,2.7K-1/8W J	a	b
FRONT	O	R	0341	88-108-103-080	C-RES,U 10K-1/16W J	a	b
FRONT	X	R	0351	88-128-100-080	C-RES, 10-1/8W J	a	b
FRONT	X	R	0352	88-108-561-080	C-RES,U 560-1/16W J	a	b
FRONT	X	R	0353	88-108-122-080	C-RES,U 1.2K-1/16W J	a	b
FRONT	O	R	0354	88-108-102-080	C-RES,U 1K-1/16W J	a	b
FRONT	O	R	0355	88-108-102-080	C-RES,U 1K-1/16W J	a	b
FRONT	O	R	0356	88-108-102-080	C-RES,U 1K-1/16W J	a	b
FRONT	X	R	0357	88-108-472-080	C-RES,U 4.7K-1/16W J	a	b
FRONT	X	R	0359	88-128-479-080	C-RES, 4.7-1/8W J	a	b
FRONT	X	R	0360	88-128-479-080	C-RES, 4.7-1/8W J	a	b
FRONT	X	R	0361	88-108-333-080	C-RES,U 33K-1/16W J	a	b
FRONT	O	R	0362	88-108-223-080	C-RES,U 22K-1/16W J	a	b
FRONT	O	R	0363	88-108-223-080	C-RES,U 22K-1/16W J	a	b
FRONT	X	R	0364	88-108-000-080	C-JUMPER,U	a	b
FRONT	X	R	0365	88-128-220-080	C-RES, 22-1/8W J	a	b
FRONT	X	R	0368	88-128-272-080	C-RES, 2.7K-1/8W J	a	b
FRONT	X	R	0369	88-128-100-080	C-RES, 10-1/8W J	a	b
FRONT	X	R	0375	88-121-220-080	RES,22-1/8W J	a	b
FRONT	X	R	0376	88-121-472-080	RES,4.7K-1/8W J	a	b
FRONT	O	S	0321	87-A91-024-180	SW,TACT KSHG611BT	a	b
FRONT	O	S	0322	87-A91-024-180	SW,TACT KSHG611BT	a	b
FRONT	O	S	0323	87-A91-024-180	SW,TACT KSHG611BT	a	b
FRONT	O	S	0324	87-A91-024-180	SW,TACT KSHG611BT	a	b
FRONT	O	S	0325	87-A91-024-180	SW,TACT KSHG611BT	a	b
FRONT	O	S	0326	87-A91-024-180	SW,TACT KSHG611BT	a	b
FRONT	O	S	0327	87-A91-024-180	SW,TACT KSHG611BT	a	b
FRONT	O	S	0328	87-A91-024-180	SW,TACT KSHG611BT	a	b
HP	X	CLP	0201	87-A60-884-010	PIN,DIA1 COATING-SHS	a	b
HP	O	J	0201	87-A61-755-010	JACK,3.5 BLK ST W/SW SIL	a	b
HP	O	R	0231	87-A00-436-050	RES,100-1/2W J RP	a	b
HP	O	R	0232	87-A00-436-050	RES,100-1/2W J RP	a	b
HP	O	R	0233	87-A00-439-050	RES,180-1/2W J RP	a	b
HP	O	R	0234	87-A00-439-050	RES,180-1/2W J RP	a	b
HP	O	WH	0202	87-A90-459-010	HLDR,WIRE 2.5-5P	a	b
KEY	O	CN	0341	87-099-197-010	CONN,9P V BLK 6216	a	b
KEY	O	FFC	0341	88-909-281-110	FF-CABLE, 9P 1.25 280MM	a	b
KEY	O	LED	0301	87-A40-317-080	LED,SLR-342VCT31 RED	a	b
KEY	O	LED	0331	87-017-756-040	LED,SLR-342DCT31 ORN	a	b
KEY	O	LED	0332	87-017-756-040	LED,SLR-342DCT31 ORN	a	b
KEY	O	LED	0333	87-017-756-040	LED,SLR-342DCT31 ORN	a	b
KEY	X	R	0331	88-128-821-080	C-RES, 820-1/8W J	a	b
KEY	X	R	0332	88-128-821-080	C-RES, 820-1/8W J	a	b
KEY	X	R	0333	88-128-821-080	C-RES, 820-1/8W J	a	b
KEY	O	R	0342	88-108-102-080	C-RES,U 1K-1/16W J	a	b
KEY	X	R	0343	88-108-821-080	C-RES,U 820-1/16W J	a	b
KEY	O	R	0344	88-108-102-080	C-RES,U 1K-1/16W J	a	b
KEY	X	R	0345	88-108-122-080	C-RES,U 1.2K-1/16W J	a	b

ELECTRICAL PARTS LIST - 7/12

!

= SAFETY PARTS

C

= Components marked

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UNIT-NAME	! C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL	
					CX-SLTC80 USC	CX-SLTC80 UCSC
KEY	X R	0346	88-108-122-080	C-RES,U 1.2K-1/16W J	a	b
KEY	X R	0347	88-108-182-080	C-RES,U 1.8K-1/16W J	a	b
KEY	X R	0348	88-108-182-080	C-RES,U 1.8K-1/16W J	a	b
KEY	O S	0329	87-A91-024-180	SW,TACT KSHG611BT	a	b
KEY	O S	0341	87-A91-024-180	SW,TACT KSHG611BT	a	b
KEY	O S	0342	87-A91-024-180	SW,TACT KSHG611BT	a	b
KEY	O S	0343	87-A91-024-180	SW,TACT KSHG611BT	a	b
KEY	O S	0344	87-A91-024-180	SW,TACT KSHG611BT	a	b
KEY	O S	0345	87-A91-024-180	SW,TACT KSHG611BT	a	b
KEY	O S	0346	87-A91-024-180	SW,TACT KSHG611BT	a	b
KEY	O S	0347	87-A91-024-180	SW,TACT KSHG611BT	a	b
KEY	O S	0348	87-A91-024-180	SW,TACT KSHG611BT	a	b
LED	O	LED0303	87-A41-157-040	LED,SLI-343DC ORN	a	b
LED	O	LED0304	87-A41-157-040	LED,SLI-343DC ORN	a	b
LED	O	LED0305	87-A41-157-040	LED,SLI-343DC ORN	a	b
LED	O	LED0306	87-A41-157-040	LED,SLI-343DC ORN	a	b
LED	O	LED0307	87-A41-157-040	LED,SLI-343DC ORN	a	b
LED	O	LED0308	87-A41-157-040	LED,SLI-343DC ORN	a	b
LED	X R	0366	88-130-121-080	RES,120-1/4W J	a	b
LED	X R	0367	88-130-121-080	RES,120-1/4W J	a	b
LED FR	O	LED0309	87-A41-157-040	LED,SLI-343DC ORN	a	b
LED FR	O	LED0310	87-A41-157-040	LED,SLI-343DC ORN	a	b
LED FR	X R	0373	88-128-391-080	C-RES, 390-1/8W J	a	b
LED FR	X R	0374	88-128-391-080	C-RES, 390-1/8W J	a	b
MAIN	O C	0009	87-010-759-080	C-CAP,U 0.1-25 Z F CM/CB	a	b
MAIN	O C	0010	87-010-759-080	C-CAP,U 0.1-25 Z F CM/CB	a	b
MAIN	O C	0011	87-010-759-080	C-CAP,U 0.1-25 Z F CM/CB	a	b
MAIN	O C	0012	87-010-759-080	C-CAP,U 0.1-25 Z F CM/CB	a	b
MAIN	O C	0013	87-012-282-080	C-CAP,U 4700P-50 K B GRM	a	b
MAIN	O C	0014	87-010-260-080	CAP,E 47-25 M 11L SME	a	b
MAIN	O C	0015	87-010-263-080	CAP,E 100-10 M 11L SME	a	b
MAIN	O C	0016	87-012-286-080	C-CAP,U 0.01-25 K B GRM	a	b
MAIN	O C	0021	87-A10-520-000	CAP,E 3300-35 M SMG	a	b
MAIN	O C	0022	87-A10-520-000	CAP,E 3300-35 M SMG	a	b
MAIN	O C	0023	87-010-384-080	CAP,E 100-25 M 11L SME	a	b
MAIN	O C	0024	87-010-384-080	CAP,E 100-25 M 11L SME	a	b
MAIN	O C	0025	87-010-384-080	CAP,E 100-25 M 11L SME	a	b
MAIN	O C	0026	87-010-384-080	CAP,E 100-25 M 11L SME	a	b
MAIN	O C	0027	87-010-247-080	CAP,E 100-50 M SME	a	b
MAIN	O C	0029	87-010-263-080	CAP,E 100-10 M 11L SME	a	b
MAIN	O C	0034	87-010-260-080	CAP,E 47-25 M 11L SME	a	b
MAIN	O C	0035	87-010-405-080	CAP,E 10-50 M 11L SME	a	b
MAIN	O C	0036	87-010-260-080	CAP,E 47-25 M 11L SME	a	b
MAIN	O C	0038	87-012-278-080	C-CAP,U 2200P-50 K B GRM	a	b
MAIN	O C	0060	87-010-403-080	CAP,E 3.3-50 M 11L SME	a	b
MAIN	O C	0061	87-010-260-080	CAP,E 47-25 M 11L SME	a	b
MAIN	O C	0083	87-010-387-080	CAP,E 470-25 M SME	a	b
MAIN	O C	0097	87-010-759-080	C-CAP,U 0.1-25 Z F CM/CB	a	b
MAIN	O C	0101	87-012-284-080	C-CAP,U 6800P-50 K B GRM	a	b
MAIN	O C	0102	87-012-284-080	C-CAP,U 6800P-50 K B GRM	a	b
MAIN	O C	0103	87-010-400-080	CAP,E 0.47-50 M 11L SME	a	b
MAIN	O C	0104	87-010-400-080	CAP,E 0.47-50 M 11L SME	a	b
MAIN	O C	0107	87-010-406-080	CAP,E 22-50 M 11L SME	a	b
MAIN	O C	0108	87-010-406-080	CAP,E 22-50 M 11L SME	a	b
MAIN	O C	0111	87-010-406-080	CAP,E 22-50 M 11L SME	a	b
MAIN	O C	0112	87-010-406-080	CAP,E 22-50 M 11L SME	a	b
MAIN	O C	0113	87-012-198-080	C-CAP,U 180P-50 J CH GRM	a	b
MAIN	O C	0114	87-012-198-080	C-CAP,U 180P-50 J CH GRM	a	b
MAIN	O C	0117	87-012-368-080	C-CAP,S 0.1-50 Z F GRM	a	b
MAIN	O C	0118	87-012-368-080	C-CAP,S 0.1-50 Z F GRM	a	b
MAIN	O C	0119	87-012-286-080	C-CAP,U 0.01-25 K B GRM	a	b
MAIN	O C	0120	87-012-286-080	C-CAP,U 0.01-25 K B GRM	a	b
MAIN	O C	0121	87-010-544-080	CAP,E 0.1-50 M 11L SME	a	b
MAIN	O C	0122	87-010-544-080	CAP,E 0.1-50 M 11L SME	a	b
MAIN	O C	0123	87-010-177-080	C-CAP,S 820P-50 J SL C2012	a	b
MAIN	O C	0124	87-010-177-080	C-CAP,S 820P-50 J SL C2012	a	b
MAIN	O C	0125	87-012-198-080	C-CAP,U 180P-50 J CH GRM	a	b
MAIN	O C	0126	87-012-198-080	C-CAP,U 180P-50 J CH GRM	a	b
MAIN	O C	0133	87-012-282-080	C-CAP,U 4700P-50 K B GRM	a	b
MAIN	O C	0140	87-012-278-080	C-CAP,U 2200P-50 K B GRM	a	b
MAIN	O C	0145	87-012-286-080	C-CAP,U 0.01-25 K B GRM	a	b
MAIN	O C	0146	87-012-286-080	C-CAP,U 0.01-25 K B GRM	a	b
MAIN	O C	0225	87-012-368-080	C-CAP,S 0.1-50 Z F GRM	a	b
MAIN	O C	0226	87-012-368-080	C-CAP,S 0.1-50 Z F GRM	a	b
MAIN	O C	0227	87-012-368-080	C-CAP,S 0.1-50 Z F GRM	a	b
MAIN	O C	0228	87-012-368-080	C-CAP,S 0.1-50 Z F GRM	a	b
MAIN	O C	0241	87-012-286-080	C-CAP,U 0.01-25 K B GRM	a	b
MAIN	O C	0601	87-012-188-080	C-CAP,U 47P-50 J CH GRM	a	b
MAIN	O C	0602	87-012-188-080	C-CAP,U 47P-50 J CH GRM	a	b
MAIN	O C	0605	87-010-403-080	CAP,E 3.3-50 M 11L SME	a	b

# ELECTRICAL PARTS LIST - 8/12

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UNIT-NAME	! C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL	
					CX-SLTC80 USC	CX-SLTC80 UCSC
MAIN	O C	0606	87-010-403-080	CAP,E 3.3-50 M 11L SME	a	b
MAIN	O C	0609	87-010-402-080	CAP,E 2.2-50 M 11L SME	a	b
MAIN	O C	0610	87-010-402-080	CAP,E 2.2-50 M 11L SME	a	b
MAIN	O C	0611	87-A12-790-080	C-CAP,U 560P-50 J CH	a	b
MAIN	O C	0612	87-A12-790-080	C-CAP,U 560P-50 J CH	a	b
MAIN	O C	0613	87-012-280-080	C-CAP,U 3300P-50 K B GRM	a	b
MAIN	O C	0614	87-012-280-080	C-CAP,U 3300P-50 K B GRM	a	b
MAIN	O C	0621	87-010-545-080	CAP,E 0.22-50 M 11L SME	a	b
MAIN	O C	0622	87-010-545-080	CAP,E 0.22-50 M 11L SME	a	b
MAIN	O C	0623	87-010-400-080	CAP,E 0.47-50 M 11L SME	a	b
MAIN	O C	0624	87-010-400-080	CAP,E 0.47-50 M 11L SME	a	b
MAIN	X C	0627	88-108-273-080	C-RES,U 27K-1/16W J	a	b
MAIN	X C	0628	88-108-273-080	C-RES,U 27K-1/16W J	a	b
MAIN	O C	0629	87-012-280-080	C-CAP,U 3300P-50 K B GRM	a	b
MAIN	O C	0630	87-012-280-080	C-CAP,U 3300P-50 K B GRM	a	b
MAIN	O C	0633	87-A12-309-080	C-CAP,U 680P-50 J CH	a	b
MAIN	O C	0634	87-A12-309-080	C-CAP,U 680P-50 J CH	a	b
MAIN	X C	0635	88-108-000-080	C-JUMPER,U	a	b
MAIN	O C	0636	87-010-190-080	C-CAP,S 0.01-50 Z F C2012	a	b
MAIN	O C	0637	87-010-190-080	C-CAP,S 0.01-50 Z F C2012	a	b
MAIN	O C	0638	87-012-284-080	C-CAP,U 6800P-50 K B GRM	a	b
MAIN	O C	0651	87-010-263-080	CAP,E 100-10 M 11L SME	a	b
MAIN	O C	0652	87-010-260-080	CAP,E 47-25 M 11L SME	a	b
MAIN	O C	0663	87-010-759-080	C-CAP,U 0.1-25 Z F CM/CB	a	b
MAIN	O C	0664	87-010-759-080	C-CAP,U 0.1-25 Z F CM/CB	a	b
MAIN	X C	0665	88-108-000-080	C-JUMPER,U	a	b
MAIN	X C	0666	88-108-000-080	C-JUMPER,U	a	b
MAIN	O C	0671	87-012-195-080	C-CAP,U 100P-50 J CH GRM	a	b
MAIN	O C	0673	87-012-198-080	C-CAP,U 180P-50 J CH GRM	a	b
MAIN	O C	0674	87-012-198-080	C-CAP,U 180P-50 J CH GRM	a	b
MAIN	O C	0678	87-012-280-080	C-CAP,U 3300P-50 K B GRM	a	b
MAIN	O C	0691	87-012-274-080	C-CAP,U 1000P-50 K B GRM	a	b
MAIN	O C	0692	87-012-274-080	C-CAP,U 1000P-50 K B GRM	a	b
MAIN	X CLP	0601	87-A60-884-010	PIN,DIA1 COATING-SHS	a	b
MAIN	O CN	0001	87-A61-109-010	CONN,7P V TID-A	a	b
MAIN	O CN	0601	87-099-034-010	CONN,17P H BLK 6216	a	b
MAIN	O CN	0603	87-099-570-010	CONN,13P V TUC-P13P-B1	a	b
MAIN	O CN	0605	87-099-194-010	CONN,6P V BLK 6216	a	.
MAIN	O CN	0605	87-099-199-010	CONN,6P H BLK 6216	.	b
MAIN	S D	0005	87-A40-455-090	DIODE,RL203 GW	a	b
MAIN	S D	0006	87-A40-455-090	DIODE,RL203 GW	a	b
MAIN	S D	0007	87-A40-455-090	DIODE,RL203 GW	a	b
MAIN	S D	0008	87-A40-455-090	DIODE,RL203 GW	a	b
MAIN	S D	0011	87-A40-270-080	C-DIODE,MC2838	a	.
MAIN	S D	0011	87-A40-270-040	C-DIODE,MC2838	.	b
MAIN	S D	0021	87-A40-763-080	ZENER,UZ10BSB	a	b
MAIN	S D	0025	87-070-274-080	DIODE,1N4003 SEM	a	b
MAIN	S D	0026	87-070-274-080	DIODE,1N4003 SEM	a	b
MAIN	S D	0027	87-070-274-080	DIODE,1N4003 SEM	a	b
MAIN	S D	0028	87-070-274-080	DIODE,1N4003 SEM	a	b
MAIN	S D	0029	87-A40-776-080	ZENER,UZ27BSD	a	b
MAIN	S D	0030	87-020-465-080	DIODE,1SS133	a	b
MAIN	S D	0032	87-020-465-080	DIODE,1SS133	a	b
MAIN	S D	0034	87-A40-762-080	ZENER,UZ9.1BSC	a	b
MAIN	S D	0035	87-020-465-080	DIODE,1SS133	a	b
MAIN	S D	0060	87-020-465-080	DIODE,1SS133	a	b
MAIN	S D	0063	87-A40-270-080	C-DIODE,MC2838	a	.
MAIN	S D	0063	87-A40-270-040	C-DIODE,MC2838	.	b
MAIN	S D	0064	87-A40-269-080	C-DIODE,MC2836	a	.
MAIN	S D	0064	87-A40-269-040	C-DIODE,MC2836	.	b
MAIN	S D	0101	87-A40-269-080	C-DIODE,MC2836	a	.
MAIN	S D	0101	87-A40-269-040	C-DIODE,MC2836	.	b
MAIN	S D	0103	87-020-465-080	DIODE,1SS133	a	b
MAIN	S D	0104	87-020-465-080	DIODE,1SS133	a	b
MAIN	S D	0105	87-A40-269-080	C-DIODE,MC2836	a	.
MAIN	S D	0105	87-A40-269-040	C-DIODE,MC2836	.	b
MAIN	S D	0106	87-A40-269-080	C-DIODE,MC2836	a	.
MAIN	S D	0106	87-A40-269-040	C-DIODE,MC2836	.	b
MAIN	S D	0107	87-A40-270-080	C-DIODE,MC2838	a	.
MAIN	S D	0107	87-A40-270-040	C-DIODE,MC2838	.	b
MAIN	S D	0108	87-A40-270-080	C-DIODE,MC2838	a	.
MAIN	S D	0108	87-A40-270-040	C-DIODE,MC2838	.	b
MAIN	S D	0109	87-A40-488-080	DIODE,1SS244	a	b
MAIN	S D	0110	87-A40-488-080	DIODE,1SS244	a	b
MAIN	S D	0150	87-A40-270-080	C-DIODE,MC2838	a	.
MAIN	S D	0150	87-A40-270-040	C-DIODE,MC2838	.	b
MAIN	S D	0160	87-A40-270-080	C-DIODE,MC2838	a	.
MAIN	S D	0160	87-A40-270-040	C-DIODE,MC2838	.	b
MAIN	S D	0280	87-A40-269-080	C-DIODE,MC2836	a	.
MAIN	S D	0280	87-A40-269-040	C-DIODE,MC2836	.	b

ELECTRICAL PARTS LIST - 9/12

!

= SAFETY PARTS

C

= Components marked

All components used on this model at the production line are shown in this service manual.

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UNIT-NAME	! C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL		
					CX-SLTC80 USC	CX-SLTC80 UCSC	
MAIN	S	D	0281	87-A40-270-080	C-DIODE,MC2838	a	.
MAIN	S	D	0281	87-A40-270-040	C-DIODE,MC2838	.	b
MAIN	S	D	0601	87-020-465-080	DIODE,1SS133	a	b
MAIN	S	D	0661	87-A40-745-080	ZENER,UZ4.7BSA	a	b
MAIN	S	D	0662	87-A40-745-080	ZENER,UZ4.7BSA	a	b
MAIN	O	FFC0601	88-917-231-110	FF-CABLE,17P 1.25 230MM	a	b	
MAIN	O	FFC0605	88-906-151-110	FF-CABLE, 6P 1.25	a	b	
MAIN	S	IC	0001	87-A21-365-010	IC,NJM7808FA(A)	a	b
MAIN	S	IC	0601	87-A22-236-040	C-IC,BD3881FV	a	b
MAIN	O	J	0203	87-033-229-010	TERMINAL,SPKR 4P YKD21-0242	a	b
MAIN	O	J	0601	87-099-801-010	JACK,PIN 1P BLK W/O SW	a	b
MAIN	O	J	0602	87-A60-926-010	JACK,PIN 4P R/W TC58-118	a	b
MAIN	O	JW	0013	87-008-372-080	FLTR,EMI BL01 RN1	a	b
MAIN	O	JW	0621	87-008-372-080	FLTR,EMI BL01 RN1	a	b
MAIN	O	L	0201	87-A50-611-010	COIL,1UH K(CS)	a	b
MAIN	O	L	0202	87-A50-611-010	COIL,1UH K(CS)	a	b
MAIN	S	Q	0001	87-A30-494-080	TR,2SA1980G	a	b
MAIN	S	Q	0002	87-A30-494-080	TR,2SA1980G	a	b
MAIN	S	Q	0003	87-A30-076-080	C-TR,2SC3052F	a	.
MAIN	S	Q	0003	87-A30-076-040	C-TR,2SC3052F	.	b
MAIN	S	Q	0004	87-A30-075-080	C-TR,2SA1235F	a	.
MAIN	S	Q	0004	87-A30-075-040	C-TR,2SA1235F	.	b
MAIN	S	Q	0006	87-A30-076-080	C-TR,2SC3052F	a	.
MAIN	S	Q	0006	87-A30-076-040	C-TR,2SC3052F	.	b
MAIN	S	Q	0009	87-A30-494-080	TR,2SA1980G	a	b
MAIN	S	Q	0010	87-A30-076-080	C-TR,2SC3052F	a	.
MAIN	S	Q	0010	87-A30-076-040	C-TR,2SC3052F	.	b
MAIN	S	Q	0011	89-213-702-010	TR,2SB1370E	a	b
MAIN	S	Q	0012	87-A30-630-080	TR,2SC5343GL	a	b
MAIN	S	Q	0015	87-A30-075-080	C-TR,2SA1235F	a	.
MAIN	S	Q	0015	87-A30-075-040	C-TR,2SA1235F	.	b
MAIN	S	Q	0060	87-A30-076-080	C-TR,2SC3052F	a	.
MAIN	S	Q	0060	87-A30-076-040	C-TR,2SC3052F	.	b
MAIN	S	Q	0061	87-A30-075-080	C-TR,2SA1235F	a	.
MAIN	S	Q	0061	87-A30-075-040	C-TR,2SA1235F	.	b
MAIN	S	Q	0062	87-A30-076-080	C-TR,2SC3052F	a	.
MAIN	S	Q	0062	87-A30-076-040	C-TR,2SC3052F	.	b
MAIN	S	Q	0063	87-A30-075-080	C-TR,2SA1235F	a	.
MAIN	S	Q	0063	87-A30-075-040	C-TR,2SA1235F	.	b
MAIN	S	Q	0064	87-A30-076-080	C-TR,2SC3052F	a	.
MAIN	S	Q	0064	87-A30-076-040	C-TR,2SC3052F	.	b
MAIN	S	Q	0103	87-A30-075-080	C-TR,2SA1235F	a	.
MAIN	S	Q	0103	87-A30-075-040	C-TR,2SA1235F	.	b
MAIN	S	Q	0104	87-A30-075-080	C-TR,2SA1235F	a	.
MAIN	S	Q	0104	87-A30-075-040	C-TR,2SA1235F	.	b
MAIN	S	Q	0105	87-A30-075-080	C-TR,2SA1235F	a	.
MAIN	S	Q	0105	87-A30-075-040	C-TR,2SA1235F	.	b
MAIN	S	Q	0106	87-A30-075-080	C-TR,2SA1235F	a	.
MAIN	S	Q	0106	87-A30-075-040	C-TR,2SA1235F	.	b
MAIN	S	Q	0107	87-A30-076-080	C-TR,2SC3052F	a	.
MAIN	S	Q	0107	87-A30-076-040	C-TR,2SC3052F	.	b
MAIN	S	Q	0108	87-A30-076-080	C-TR,2SC3052F	a	.
MAIN	S	Q	0108	87-A30-076-040	C-TR,2SC3052F	.	b
MAIN	S	Q	0109	87-A30-076-080	C-TR,2SC3052F	a	.
MAIN	S	Q	0109	87-A30-076-040	C-TR,2SC3052F	.	b
MAIN	S	Q	0110	87-A30-076-080	C-TR,2SC3052F	a	.
MAIN	S	Q	0110	87-A30-076-040	C-TR,2SC3052F	.	b
MAIN	S	Q	0111	87-A30-672-080	TR,2N5551C	a	b
MAIN	S	Q	0112	87-A30-672-080	TR,2N5551C	a	b
MAIN	S	Q	0113	87-A30-076-080	C-TR,2SC3052F	a	.
MAIN	S	Q	0113	87-A30-076-040	C-TR,2SC3052F	.	b
MAIN	S	Q	0114	87-A30-076-080	C-TR,2SC3052F	a	.
MAIN	S	Q	0114	87-A30-076-040	C-TR,2SC3052F	.	b
MAIN	S	Q	0115	87-A30-670-040	C-TR,SBT5551	a	b
MAIN	S	Q	0116	87-A30-670-040	C-TR,SBT5551	a	b
MAIN	S	Q	0117	87-A30-255-010	TR,2SB1342	a	b
MAIN	S	Q	0118	87-A30-255-010	TR,2SB1342	a	b
MAIN	S	Q	0119	87-A30-256-010	TR,2SD1933	a	b
MAIN	S	Q	0120	87-A30-256-010	TR,2SD1933	a	b
MAIN	S	Q	0123	87-A30-669-040	C-TR,SBT5401	a	b
MAIN	S	Q	0124	87-A30-669-040	C-TR,SBT5401	a	b
MAIN	S	Q	0126	87-A30-669-040	C-TR,SBT5401	a	b
MAIN	S	Q	0127	87-A30-076-080	C-TR,2SC3052F	a	.
MAIN	S	Q	0127	87-A30-076-040	C-TR,2SC3052F	.	b
MAIN	S	Q	0128	87-A30-076-080	C-TR,2SC3052F	a	.
MAIN	S	Q	0128	87-A30-076-040	C-TR,2SC3052F	.	b
MAIN	S	Q	0130	87-A30-670-040	C-TR,SBT5551	a	b
MAIN	S	Q	0280	87-A30-538-040	C-TR,SRA2202S	a	b
MAIN	S	Q	0281	87-A30-669-040	C-TR,SBT5401	a	b
MAIN	S	Q	0501	87-A30-288-040	C-TR,DTC114YKA	a	b

ELECTRICAL PARTS LIST - 10/12

! C

= SAFETY PARTS

C

= Components marked

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UNIT-NAME	! C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL		
					CX-SLTC80 USC	CX-SLTC80 UCSC	
MAIN		S Q	0503	87-A30-630-080	TR,2SC5343GL	a	b
MAIN		S Q	0631	87-A30-547-040	C-TR,2SD1819AQRS	a	b
MAIN		S Q	0632	87-A30-547-040	C-TR,2SD1819AQRS	a	b
MAIN		S Q	0633	87-A30-548-040	C-TR,2SB1218AQRS	a	b
MAIN		X R	0001	88-100-000-010	PLATING-JW, 0.58 SN95	a	b
MAIN		X R	0005	88-100-000-010	PLATING-JW, 0.58 SN95	a	b
MAIN		O R	0009	88-108-223-080	C-RES,U 22K-1/16W J	a	b
MAIN		O R	0010	88-108-223-080	C-RES,U 22K-1/16W J	a	b
MAIN		X R	0013	88-118-472-080	C-RES,S 4.7K-1/10W J	a	b
MAIN		X R	0014	88-118-472-080	C-RES,S 4.7K-1/10W J	a	b
MAIN		X R	0016	88-118-829-080	C-RES,S 8.2-1/10W J	a	b
MAIN		X R	0017	88-108-472-080	C-RES,U 4.7K-1/16W J	a	b
MAIN		X R	0018	88-108-104-080	C-RES,U 100K-1/16W J	a	b
MAIN		X R	0020	88-121-129-080	RES,1.2-1/8W J	a	b
MAIN		X R	0021	88-121-129-080	RES,1.2-1/8W J	a	b
MAIN		O R	0022	88-108-103-080	C-RES,U 10K-1/16W J	a	b
MAIN		O R	0023	88-108-101-080	C-RES,U 100-1/16W J	a	b
MAIN		X R	0024	88-118-103-080	C-RES,S 10K-1/10W J	a	b
MAIN		X R	0026	88-108-472-080	C-RES,U 4.7K-1/16W J	a	b
MAIN		X R	0028	88-118-221-080	C-RES,S 220-1/10W J	a	b
MAIN		O R	0029	88-108-223-080	C-RES,U 22K-1/16W J	a	b
MAIN		X R	0031	88-108-154-080	C-RES,U 150K-1/16W J	a	b
MAIN		X R	0032	88-108-472-080	C-RES,U 4.7K-1/16W J	a	b
MAIN		X R	0033	88-108-472-080	C-RES,U 4.7K-1/16W J	a	b
MAIN		X R	0035	88-118-123-080	C-RES,S 12K-1/10W J	a	b
MAIN		X R	0041	88-108-104-080	C-RES,U 100K-1/16W J	a	b
MAIN		X R	0042	88-108-104-080	C-RES,U 100K-1/16W J	a	b
MAIN		X R	0043	88-108-104-080	C-RES,U 100K-1/16W J	a	b
MAIN		X R	0044	88-108-104-080	C-RES,U 100K-1/16W J	a	b
MAIN		O R	0051	88-108-102-080	C-RES,U 1K-1/16W J	a	b
MAIN		O R	0052	88-108-102-080	C-RES,U 1K-1/16W J	a	b
MAIN		X R	0056	88-108-680-080	C-RES,U 68-1/16W J	a	b
MAIN		X R	0057	88-108-472-080	C-RES,U 4.7K-1/16W J	a	b
MAIN		O R	0058	88-108-103-080	C-RES,U 10K-1/16W J	a	b
MAIN		X R	0059	88-108-221-080	C-RES,U 220-1/16W J	a	b
MAIN		X R	0060	88-108-471-080	C-RES,U 470-1/16W J	a	b
MAIN		O R	0061	88-108-103-080	C-RES,U 10K-1/16W J	a	b
MAIN		O R	0065	88-108-123-080	C-RES,U 12K-1/16W J	a	b
MAIN		X R	0066	88-108-104-080	C-RES,U 100K-1/16W J	a	b
MAIN		O R	0067	88-108-103-080	C-RES,U 10K-1/16W J	a	b
MAIN		O R	0076	88-108-103-080	C-RES,U 10K-1/16W J	a	b
MAIN		X R	0081	88-121-101-080	RES,100-1/8W J	a	b
MAIN		O R	0085	88-108-103-080	C-RES,U 10K-1/16W J	a	b
MAIN		O R	0101	88-108-153-080	C-RES,U 15K-1/16W J	a	b
MAIN		O R	0102	88-108-153-080	C-RES,U 15K-1/16W J	a	b
MAIN		O R	0103	88-108-562-080	C-RES,U 5.6K-1/16W J	a	b
MAIN		O R	0104	88-108-562-080	C-RES,U 5.6K-1/16W J	a	b
MAIN		X R	0105	88-108-682-080	C-RES,U 6.8K-1/16W J	a	b
MAIN		X R	0106	88-108-682-080	C-RES,U 6.8K-1/16W J	a	b
MAIN		O R	0107	88-108-101-080	C-RES,U 100-1/16W J	a	b
MAIN		O R	0108	88-108-101-080	C-RES,U 100-1/16W J	a	b
MAIN		X R	0111	88-118-122-080	C-RES,S 1.2K-1/10W J	a	b
MAIN		X R	0112	88-118-122-080	C-RES,S 1.2K-1/10W J	a	b
MAIN		X R	0113	88-121-223-080	RES,22K-1/8W J	a	b
MAIN		X R	0114	88-121-223-080	RES,22K-1/8W J	a	b
MAIN		X R	0115	88-121-222-080	RES,2.2K-1/8W J	a	b
MAIN		X R	0116	88-121-222-080	RES,2.2K-1/8W J	a	b
MAIN		O R	0117	88-108-103-080	C-RES,U 10K-1/16W J	a	b
MAIN		O R	0118	88-108-103-080	C-RES,U 10K-1/16W J	a	b
MAIN		X R	0119	88-118-101-080	C-RES,S 100-1/10W J	a	b
MAIN		X R	0120	88-118-101-080	C-RES,S 100-1/10W J	a	b
MAIN		X R	0121	88-118-101-080	C-RES,S 100-1/10W J	a	b
MAIN		X R	0122	88-118-101-080	C-RES,S 100-1/10W J	a	b
MAIN		X R	0125	88-121-222-080	RES,2.2K-1/8W J	a	b
MAIN		X R	0126	88-121-222-080	RES,2.2K-1/8W J	a	b
MAIN		X R	0127	88-118-390-080	C-RES,S 39-1/10W J	a	b
MAIN		X R	0128	88-118-390-080	C-RES,S 39-1/10W J	a	b
MAIN		O R	0131	87-A00-986-080	RES,M/F 0.22-1W J	a	b
MAIN		O R	0132	87-A00-986-080	RES,M/F 0.22-1W J	a	b
MAIN		X R	0133	88-108-222-080	C-RES,U 2.2K-1/16W J	a	b
MAIN		X R	0134	88-108-222-080	C-RES,U 2.2K-1/16W J	a	b
MAIN		X R	0135	88-108-182-080	C-RES,U 1.8K-1/16W J	a	b
MAIN		X R	0136	88-108-182-080	C-RES,U 1.8K-1/16W J	a	b
MAIN		O R	0137	88-108-101-080	C-RES,U 100-1/16W J	a	b
MAIN		O R	0138	88-108-101-080	C-RES,U 100-1/16W J	a	b
MAIN		X R	0141	88-118-102-080	C-RES,S 1K-1/10W J	a	b
MAIN		X R	0142	88-118-102-080	C-RES,S 1K-1/10W J	a	b
MAIN		O R	0143	88-108-562-080	C-RES,U 5.6K-1/16W J	a	b
MAIN		O R	0144	88-108-562-080	C-RES,U 5.6K-1/16W J	a	b
MAIN		O R	0145	88-108-332-080	C-RES,U 3.3K-1/16W J	a	b

# ELECTRICAL PARTS LIST - 11/12

! =  SAFETY PARTS

C = Components marked

All components used on this model at the production line are shown in this service manual.

However, please note that not all components will be available as spare parts for after-sales service.

Components marked S and O are designated as spare parts for service and will be stocked at the spare parts centers.

Components marked X and R are not designated as spare parts for after sales service, and will not be stocked at the spare parts centers.

UNIT-NAME	! C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL	
					CX-SLTC80 USC	CX-SLTC80 UCSC
MAIN	O R	0146	88-108-332-080	C-RES,U 3.3K-1/16W J	a	b
MAIN	O R	0151	88-108-473-080	C-RES,U 47K-1/16W J	a	b
MAIN	O R	0152	88-108-473-080	C-RES,U 47K-1/16W J	a	b
MAIN	X R	0155	88-121-682-080	RES,6.8K-1/8W J	a	b
MAIN	X R	0156	88-108-682-080	C-RES,U 6.8K-1/16W J	a	b
MAIN	X R	0157	88-108-472-080	C-RES,U 4.7K-1/16W J	a	b
MAIN	X R	0158	88-121-472-080	RES,4.7K-1/8W J	a	b
MAIN	O R	0159	88-108-103-080	C-RES,U 10K-1/16W J	a	b
MAIN	X R	0160	88-121-103-080	RES,10K-1/8W J	a	b
MAIN	X R	0165	88-118-152-080	C-RES,S 1.5K-1/10W J	a	b
MAIN	X R	0166	88-118-152-080	C-RES,S 1.5K-1/10W J	a	b
MAIN	O R	0167	88-108-103-080	C-RES,U 10K-1/16W J	a	b
MAIN	X R	0168	88-118-473-080	C-RES,S 47K-1/10W J	a	b
MAIN	X R	0171	88-118-222-080	C-RES,S 2.2K-1/10W J	a	b
MAIN	X R	0172	88-118-222-080	C-RES,S 2.2K-1/10W J	a	b
MAIN	X R	0173	88-118-182-080	C-RES,S 1.8K-1/10W J	a	b
MAIN	X R	0174	88-118-182-080	C-RES,S 1.8K-1/10W J	a	b
MAIN	X R	0175	88-118-331-080	C-RES,S 330-1/10W J	a	b
MAIN	X R	0176	88-118-331-080	C-RES,S 330-1/10W J	a	b
MAIN	X R	0178	88-118-103-080	C-RES,S 10K-1/10W J	a	b
					CX-SLTC80 USC	CX-SLTC80 UCSC
MAIN	O R	0179	88-108-102-080	C-RES,U 1K-1/16W J	a	b
MAIN	O R	0180	88-108-102-080	C-RES,U 1K-1/16W J	a	b
MAIN	X R	0247	88-130-100-080	RES,10-1/4W J	a	b
MAIN	X R	0248	88-130-100-080	RES,10-1/4W J	a	b
MAIN	X R	0249	88-121-100-080	RES,10-1/8W J	a	b
MAIN	X R	0250	88-121-100-080	RES,10-1/8W J	a	b
MAIN	O R	0251	88-118-223-080	C-RES,S 22K-1/10W J	a	b
MAIN	O R	0252	88-118-223-080	C-RES,S 22K-1/10W J	a	b
MAIN	X R	0253	88-118-122-080	C-RES,S 1.2K-1/10W J	a	b
MAIN	X R	0280	88-118-473-080	C-RES,S 47K-1/10W J	a	b
MAIN	X R	0281	88-118-222-080	C-RES,S 2.2K-1/10W J	a	b
MAIN	X R	0282	88-121-103-080	RES,10K-1/8W J	a	b
MAIN	X R	0286	88-118-473-080	C-RES,S 47K-1/10W J	a	b
MAIN	X R	0287	88-118-473-080	C-RES,S 47K-1/10W J	a	b
MAIN	O R	0506	88-108-103-080	C-RES,U 10K-1/16W J	a	b
MAIN	X R	0521	88-140-101-080	RES,100-1/2W J	a	b
MAIN	O R	0601	88-108-103-080	C-RES,U 10K-1/16W J	a	b
MAIN	O R	0602	88-108-103-080	C-RES,U 10K-1/16W J	a	b
MAIN	O R	0603	88-108-332-080	C-RES,U 3.3K-1/16W J	a	b
MAIN	O R	0604	88-108-332-080	C-RES,U 3.3K-1/16W J	a	b
					CX-SLTC80 USC	CX-SLTC80 UCSC
MAIN	X R	0609	88-108-000-080	C-JUMPER,U	a	b
MAIN	X R	0610	88-108-000-080	C-JUMPER,U	a	b
MAIN	X R	0615	88-108-273-080	C-RES,U 27K-1/16W J	a	b
MAIN	X R	0616	88-108-273-080	C-RES,U 27K-1/16W J	a	b
MAIN	O R	0617	88-108-223-080	C-RES,U 22K-1/16W J	a	b
MAIN	O R	0618	88-108-223-080	C-RES,U 22K-1/16W J	a	b
MAIN	O R	0619	88-108-103-080	C-RES,U 10K-1/16W J	a	b
MAIN	O R	0620	88-108-103-080	C-RES,U 10K-1/16W J	a	b
MAIN	O R	0621	88-108-332-080	C-RES,U 3.3K-1/16W J	a	b
MAIN	O R	0622	88-108-332-080	C-RES,U 3.3K-1/16W J	a	b
MAIN	O R	0623	88-108-332-080	C-RES,U 3.3K-1/16W J	a	b
MAIN	O R	0624	88-108-332-080	C-RES,U 3.3K-1/16W J	a	b
MAIN	X R	0625	88-108-472-080	C-RES,U 4.7K-1/16W J	a	b
MAIN	X R	0626	88-108-472-080	C-RES,U 4.7K-1/16W J	a	b
MAIN	O R	0627	88-108-103-080	C-RES,U 10K-1/16W J	a	b
MAIN	O R	0628	88-108-103-080	C-RES,U 10K-1/16W J	a	b
MAIN	O R	0629	88-108-332-080	C-RES,U 3.3K-1/16W J	a	b
MAIN	O R	0630	88-108-332-080	C-RES,U 3.3K-1/16W J	a	b
MAIN	X R	0631	88-108-682-080	C-RES,U 6.8K-1/16W J	a	b
MAIN	X R	0632	88-108-682-080	C-RES,U 6.8K-1/16W J	a	b
					CX-SLTC80 USC	CX-SLTC80 UCSC
MAIN	O R	0635	88-108-103-080	C-RES,U 10K-1/16W J	a	b
MAIN	O R	0636	88-108-102-080	C-RES,U 1K-1/16W J	a	b
MAIN	X R	0641	88-108-683-080	C-RES,U 68K-1/16W J	a	b
MAIN	X R	0642	88-108-683-080	C-RES,U 68K-1/16W J	a	b
MAIN	O R	0649	88-108-332-080	C-RES,U 3.3K-1/16W J	a	b
MAIN	O R	0650	88-108-332-080	C-RES,U 3.3K-1/16W J	a	b
MAIN	X R	0651	88-100-000-010	PLATING-JW, 0.58 SN95	a	b
MAIN	X R	0652	88-100-000-010	PLATING-JW, 0.58 SN95	a	b
MAIN	X R	0653	88-121-561-080	RES,560-1/8W J	a	b
MAIN	O R	0661	88-108-272-080	C-RES,U 2.7K-1/16W J	a	b
MAIN	O R	0662	88-108-272-080	C-RES,U 2.7K-1/16W J	a	b
MAIN	X R	0663	88-121-221-080	RES,220-1/8W J	a	b
MAIN	X R	0664	88-121-221-080	RES,220-1/8W J	a	b
MAIN	X R	0665	88-121-221-080	RES,220-1/8W J	a	b
MAIN	X R	0666	88-121-221-080	RES,220-1/8W J	a	b
MAIN	X R	0667	88-121-221-080	RES,220-1/8W J	a	b
MAIN	O R	0671	88-108-332-080	C-RES,U 3.3K-1/16W J	a	b
MAIN	X R	0672	88-108-682-080	C-RES,U 6.8K-1/16W J	a	b
MAIN	O R	0673	88-108-101-080	C-RES,U 100-1/16W J	a	b
MAIN	X R	0674	88-108-682-080	C-RES,U 6.8K-1/16W J	a	b



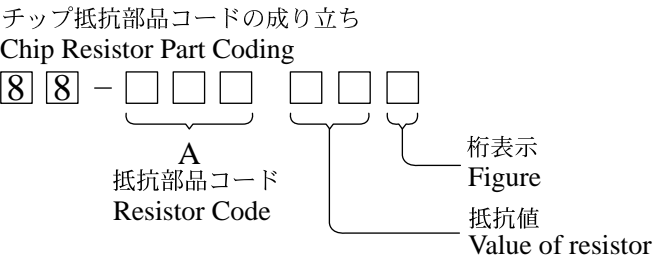
ELECTRICAL PARTS LIST - 12/12

! = SAFETY PARTS  
C = Components marked  
All components used on this model at the production line are shown in this service manual.  
However, please note that not all components will be available as spare parts for after-sales service.  
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Components marked X and R are not designated as spare parts for after sales service, and will not be stocked at the spare parts centers.


UNIT-NAME	! C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL	
					CX-SLTC80 USC	CX-SLTC80 UCSC
MAIN	X R	0675	88-121-152-080	RES,1.5K-1/8W J	a	b
MAIN	O TH	0101	87-A91-042-080	C-THMS,100K 55001	a	b
MAIN	O TH	0102	87-A91-042-080	C-THMS,100K 55001	a	b
MAIN	O W	0101	8B-NF1-640-010	F-CABLE,5P 2.5 250MM	a	b
MAIN	O WH	0201	87-A90-459-010	HLDR,WIRE 2.5-5P	a	b
MOTOR	O CN	0304	87-099-209-010	CONN,4P H BLK 6216	a	b
MOTOR	O CN	0305	87-A60-666-010	CONN,2P H 2MM JMT	a	b
PT	! O C	0002	87-A10-479-080	CAP,CER 2200P-250 M E KH	a	b
PT	O CNA	0001	8A-NF8-655-010	CONN ASSY,7P TID-A(250)	a	b
PT	S D	0002	87-020-465-080	DIODE,1SS133	a	b
PT	S D	0003	87-020-465-080	DIODE,1SS133	a	b
PT	S D	0004	87-020-465-080	DIODE,1SS133	a	b
PT	S D	0005	87-020-465-080	DIODE,1SS133	a	b
PT	! X JW	0001	88-100-000-010	PLATING-JW, 0.58 SN95	a	b
PT	! O PT	0001	8C-DC1-635-010	PT,U	a	.
PT	! O PT	0001	8C-DC1-635-110	PT,UC	.	b
PT	! O PT	0002	8B-MA6-671-010	PT,SUB BMA U (VRK)	a	b
PT	O R	0001	87-A01-010-080	RES,SD 2.2M-1/2W J RCR50+	a	b
PT	! O RY	0001	87-A91-418-010	RELAY,AC 12V G5PA-1-M	a	b
PT	! O T	0001	87-A60-317-010	TERMINAL, 1P MSC	a	b
					CX-SLTC80 USC	CX-SLTC80 UCSC
PT	! O T	0002	87-A60-317-010	TERMINAL, 1P MSC	a	b
PT	O WH	0001	87-A90-460-010	HLDR,WIRE 2.5-7P	a	b

- Regarding connectors, they are not stocked as they are not the initial order items.  
The connectors are available after they are supplied from connector manufacturers upon the order is received.

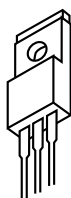
○チップ抵抗部品コード／CHIP RESISTOR PART CODE



チップ抵抗  
Chip resistor

容量 Wattage	種類 Type	許容誤差 Tolerance	記号 Symbol	寸法／Dimensions (mm)				抵抗コード : A
				外形／Form	L	W	t	Resistor Code : A
1/16W	1005	± 5%	CJ		1.0	0.5	0.35	104
1/16W	1608	± 5%	CJ		1.6	0.8	0.45	108
1/10W	2125	± 5%	CJ		2	1.25	0.45	118
1/8W	3216	± 5%	CJ		3.2	1.6	0.55	128

# TRANSISTOR ILLUSTRATION -1/1



B C E

2SB1342  
2SB1370  
2SD1933



E C B

2SA1980G  
2SA1981Y



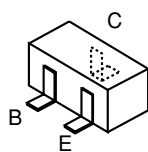
E C B

2SC5343GL



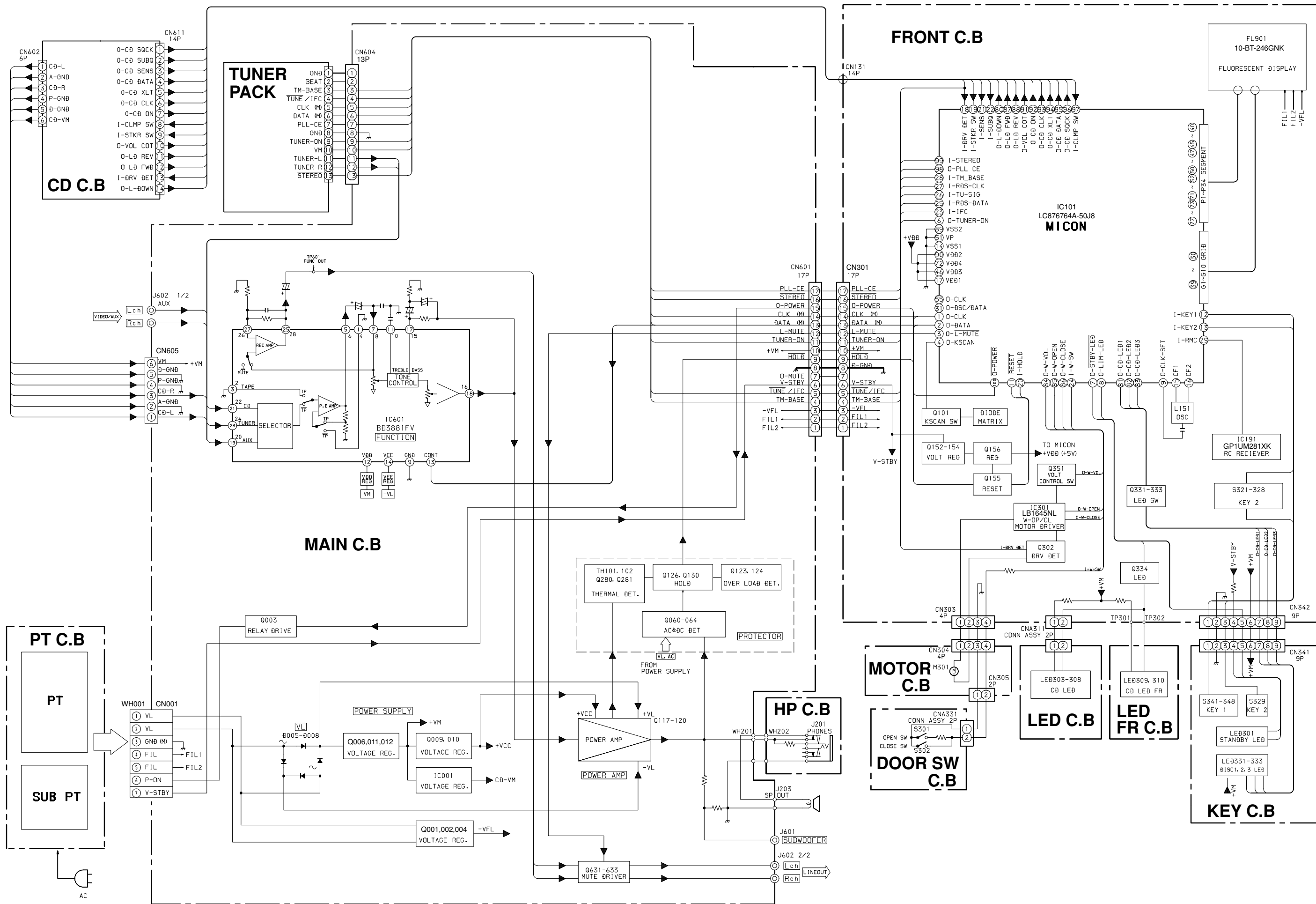
E C B

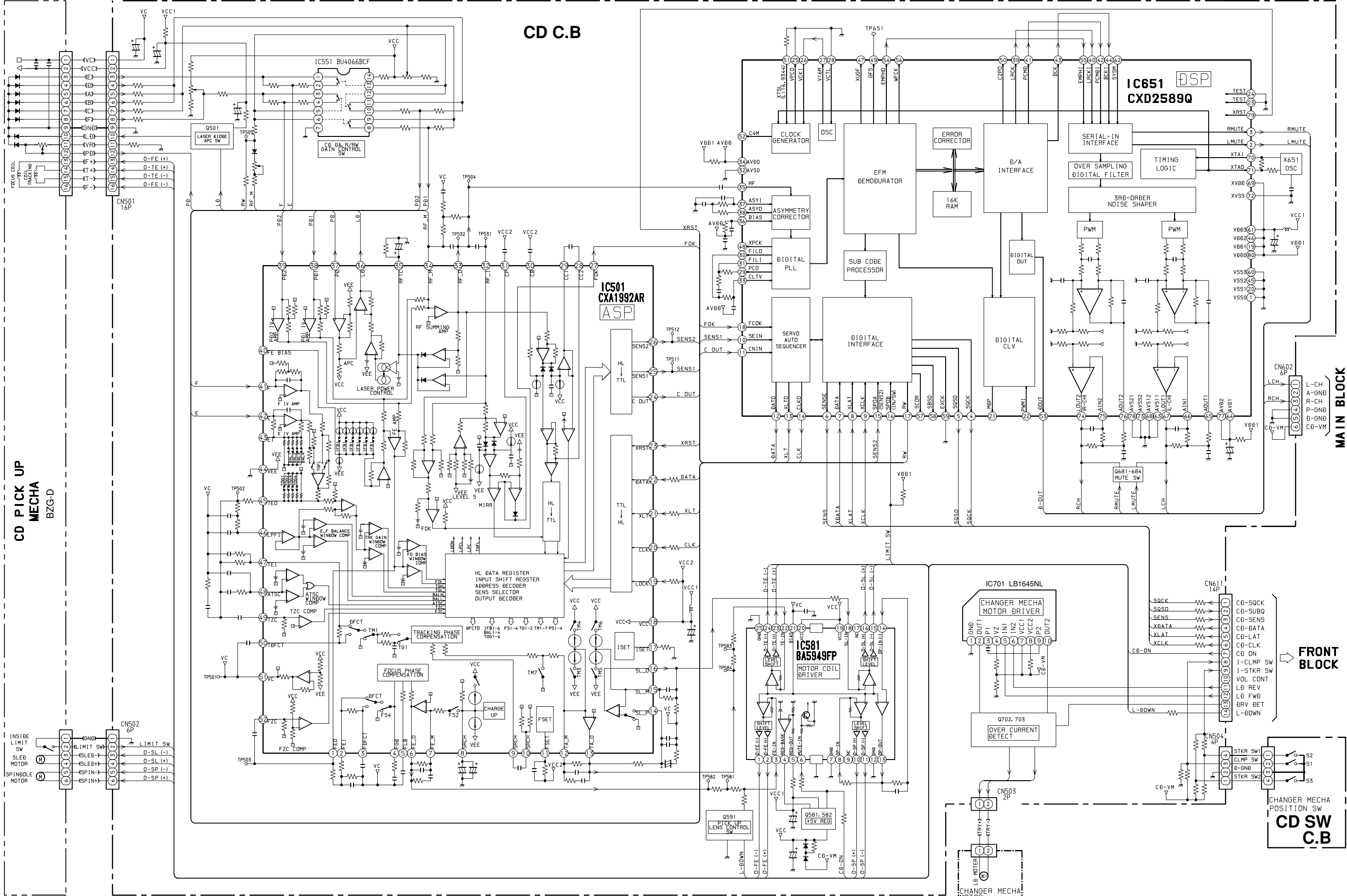
2N5551C



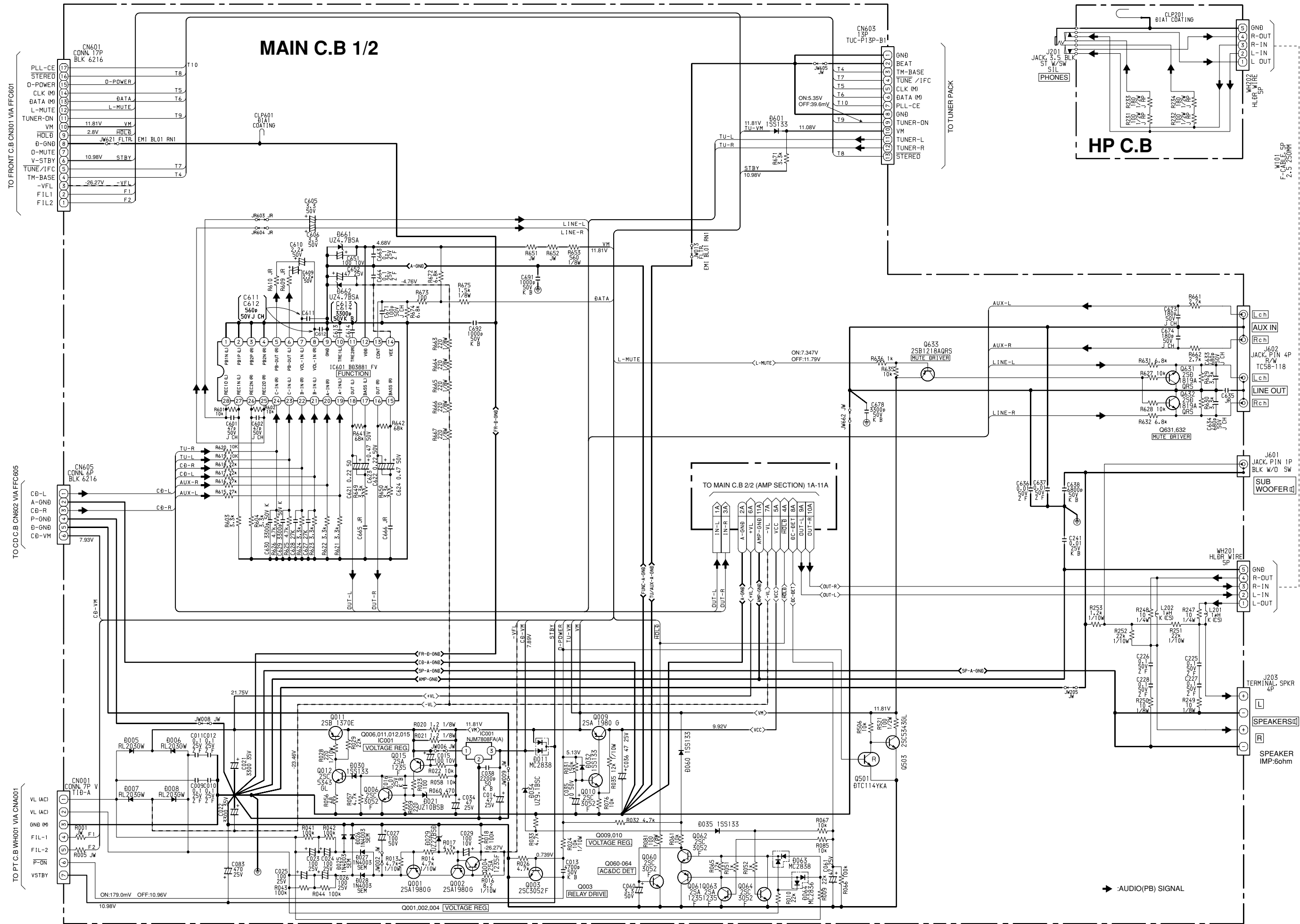
2SA1235F  
2SB1218AQRS  
2SC3052F  
2SD1819AQRS  
DTC114YKA  
DTC123JKA  
SBT5401  
SBT5551  
SRA2202S

### BLOCK DIAGRAM - 1/2 (MAIN/FRONT/ PT SECTION)

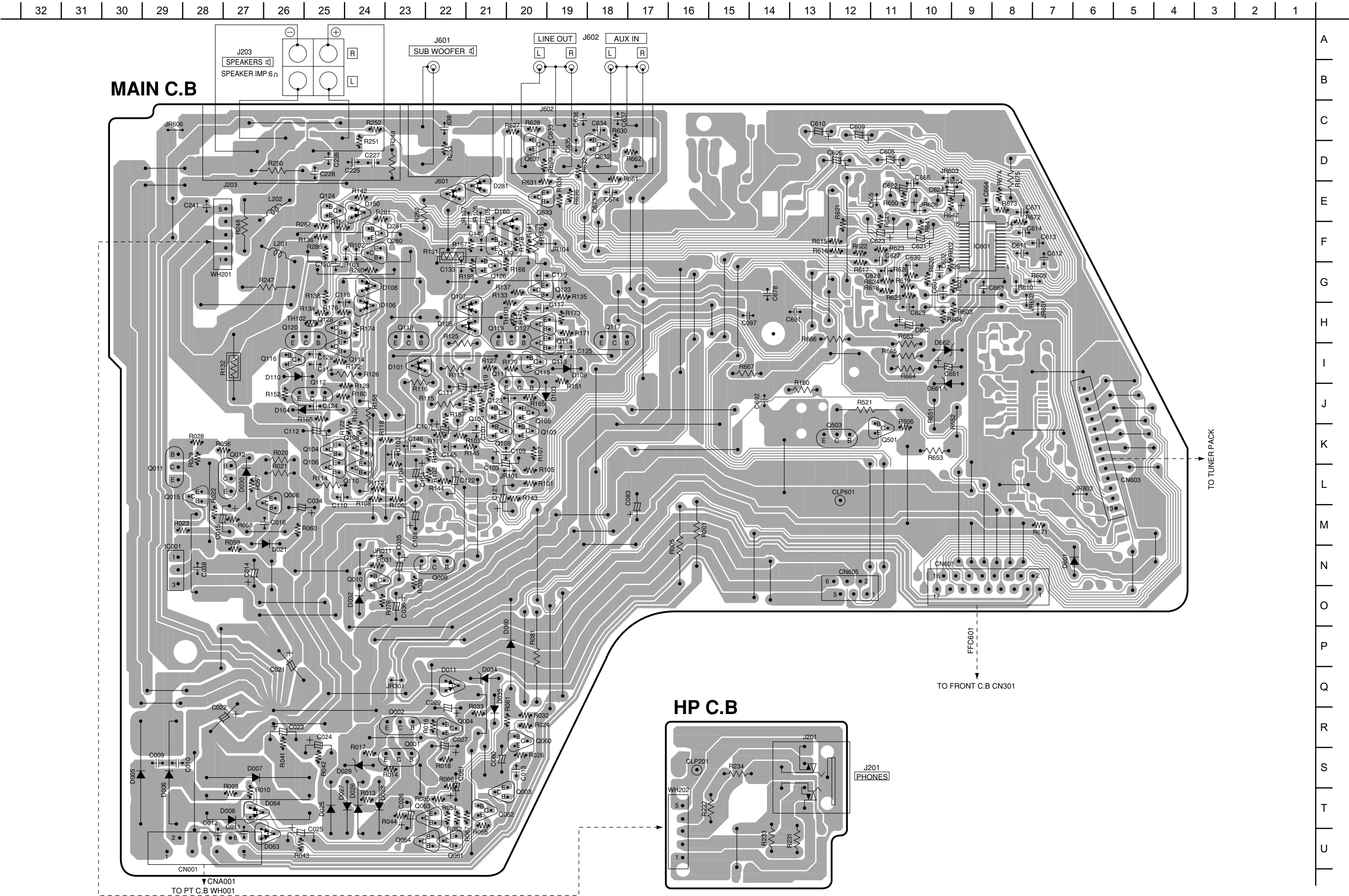




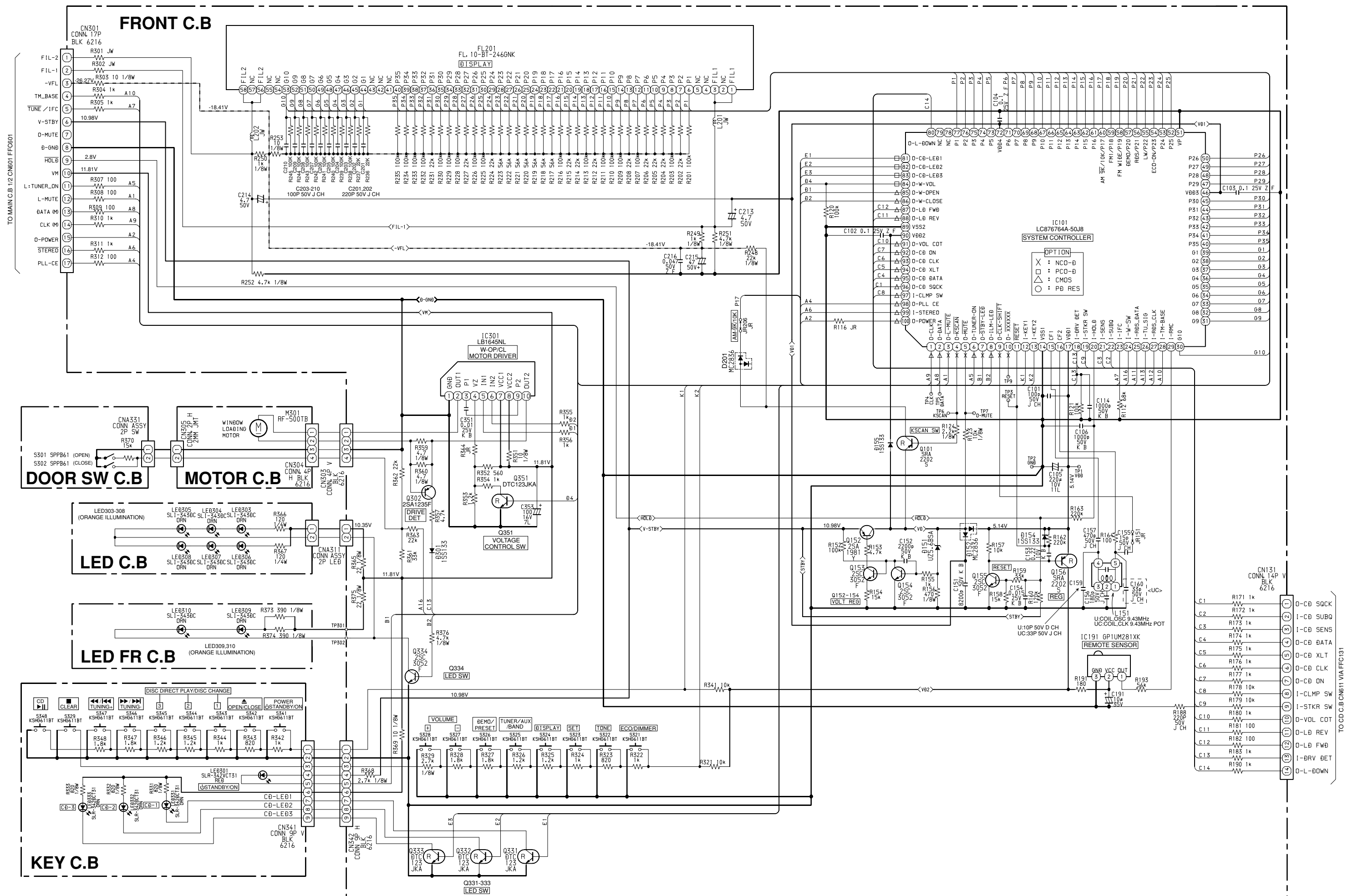
SCHEMATIC DIAGRAM - 1/5 (MAIN -1/2, HP SECTION)



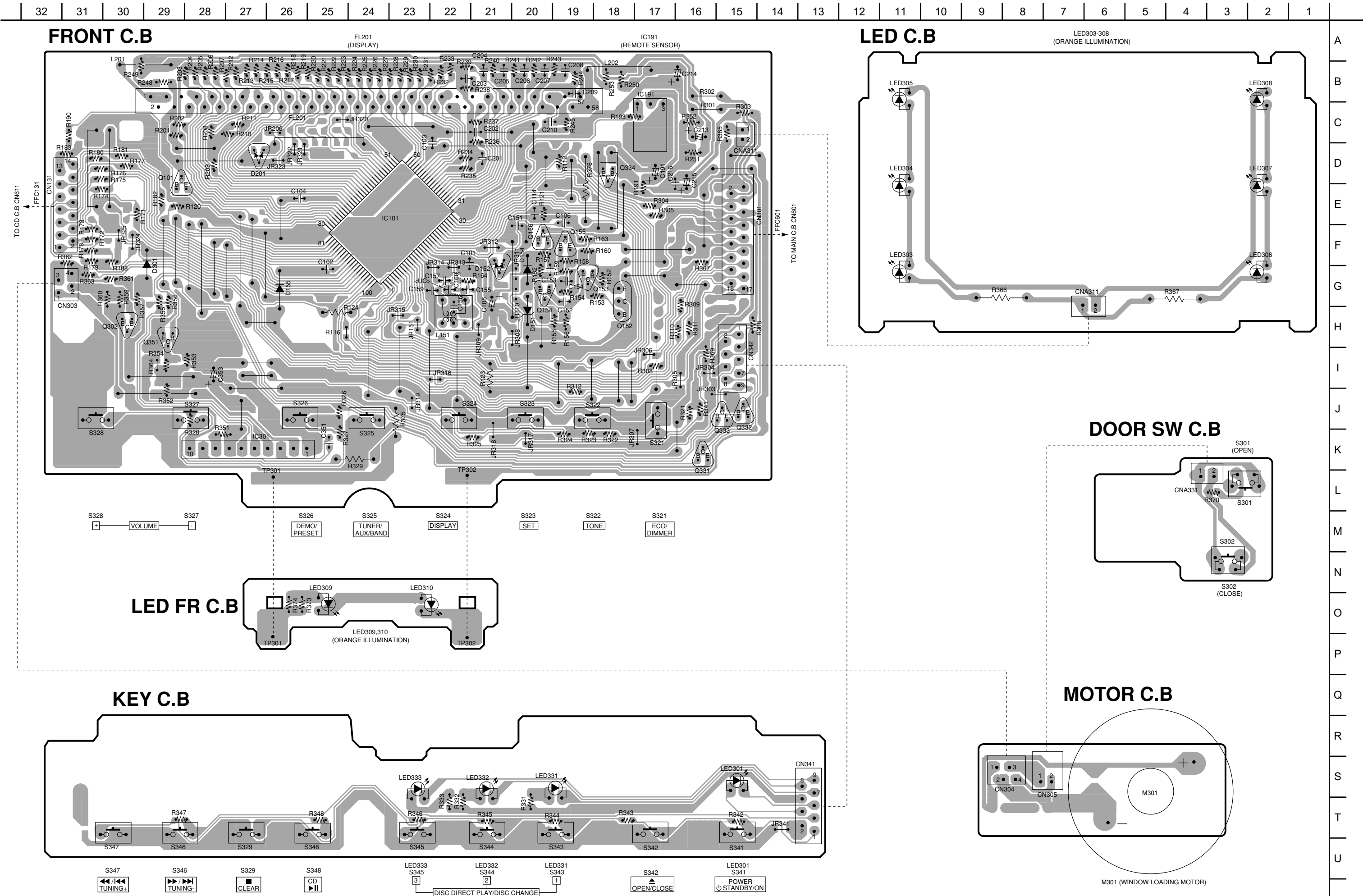


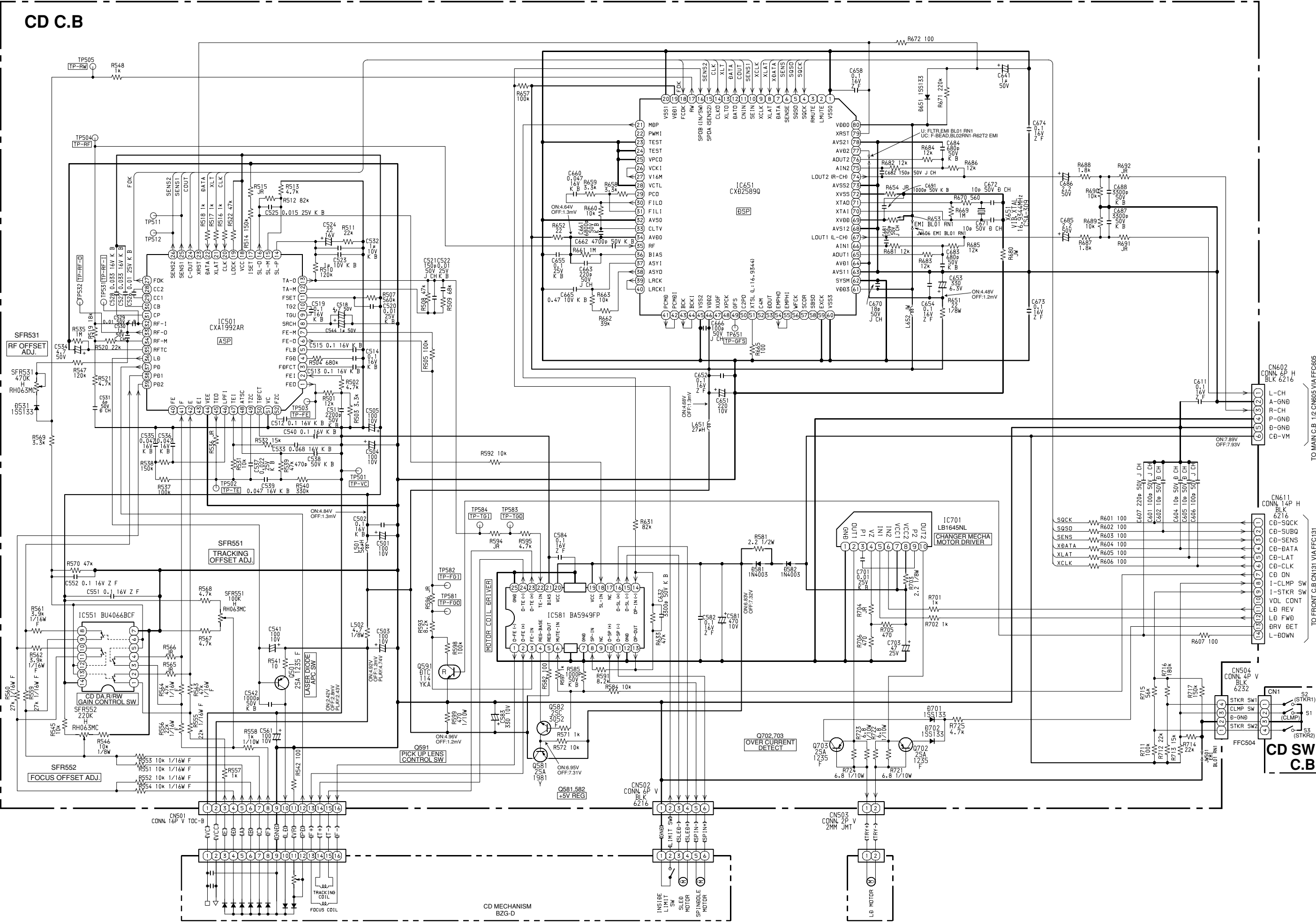


SCHEMATIC DIAGRAM - 3/5 (FRONT SECTION)



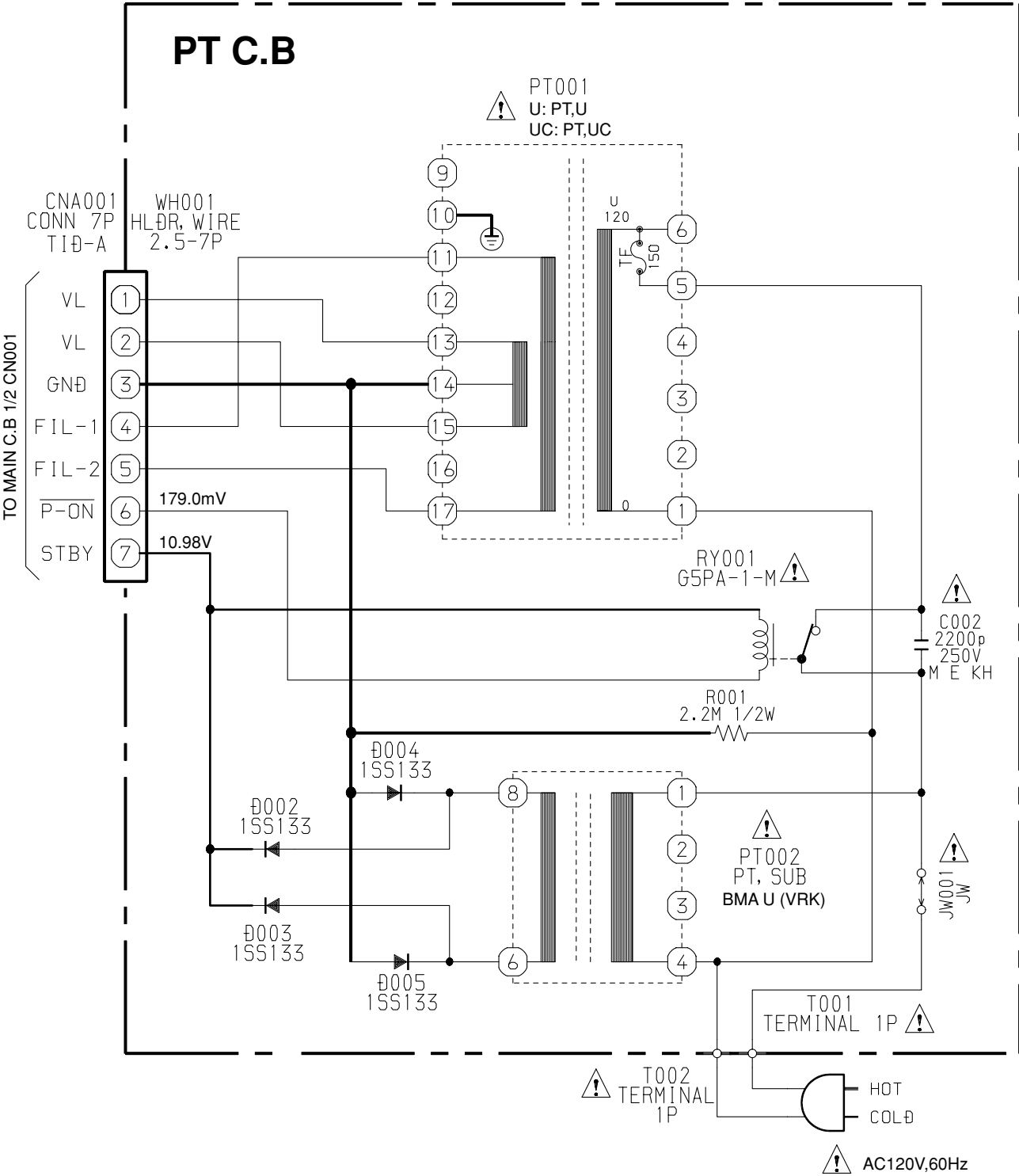




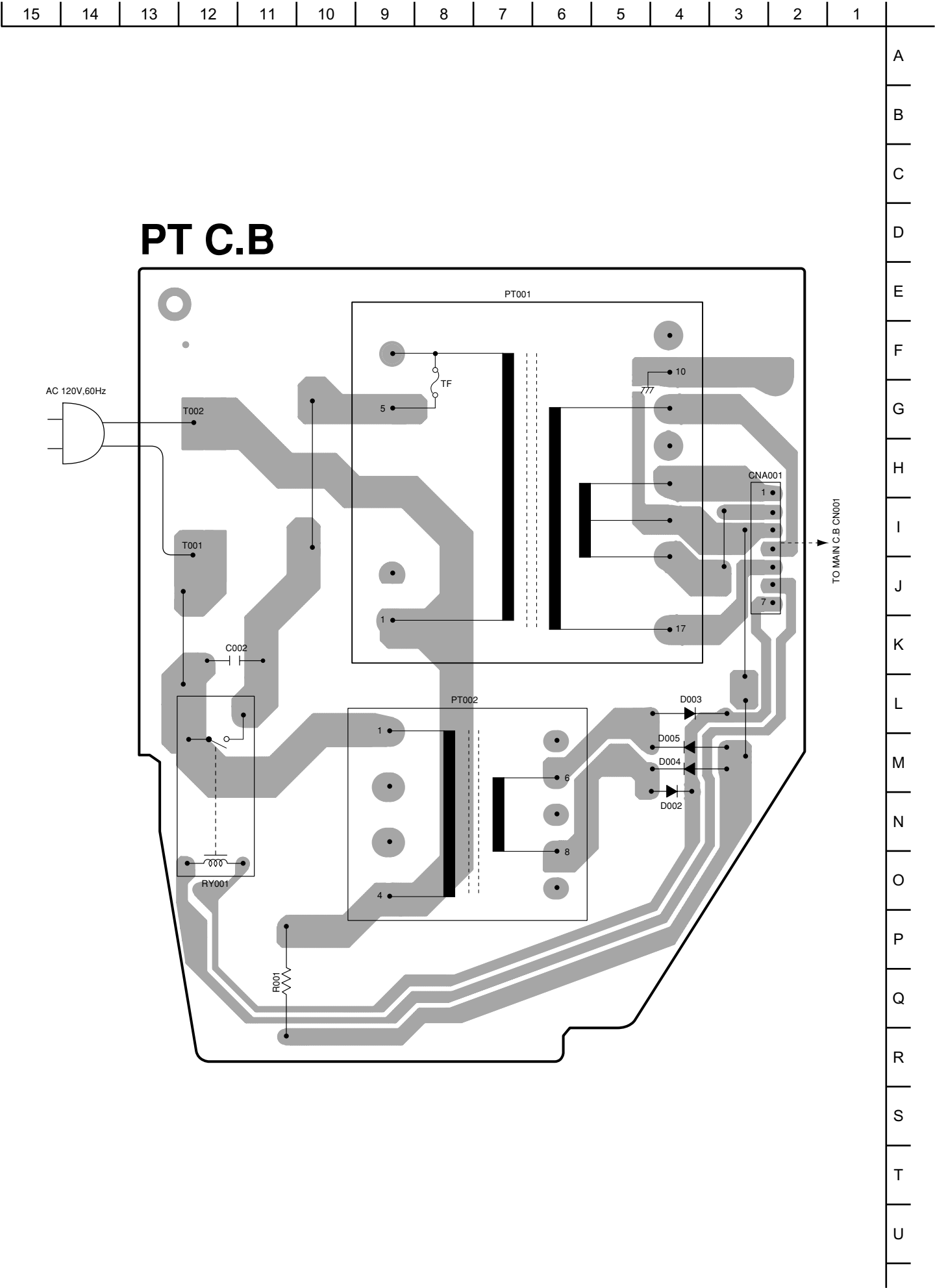




SCHEMATIC DIAGRAM -5/5 (PT SECTION)

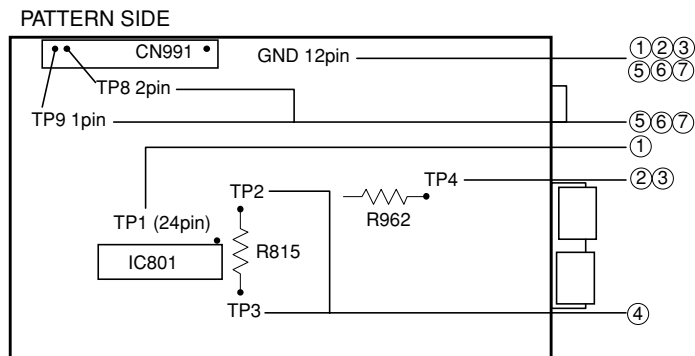
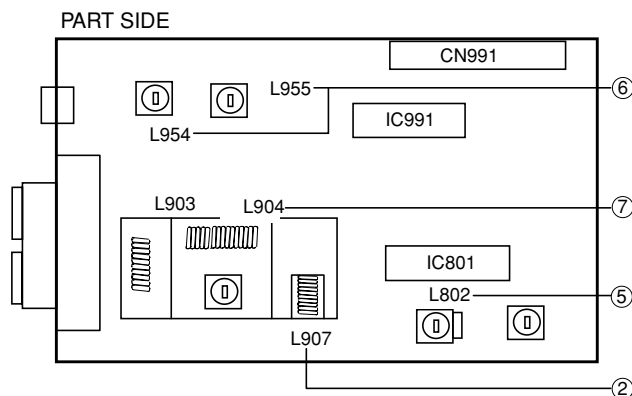


WIRING - 4/4 (PT C.B)



# ELECTRICAL ADJUSTMENT -1/6

## <TUNER SECTION>



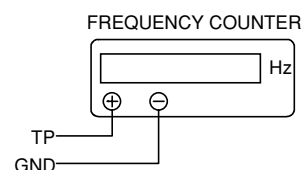
### 1. CLOCK CHECK

Requirements

Measuring equipment: Frequency counter

Test point: TP1 (CLOCK), GND

- 1) Adjust the reception frequency of the main unit to 1,710 kHz.
- 2) Check that the test point frequency is  $2160 \pm 0.045$  kHz.



### 2. VT ADJUSTMENT (FM)

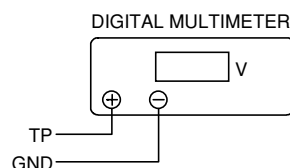
Requirement

Measuring equipment: Digital multi-meter

Test point: TP4 (R962), GND

Adjustment point: L907

- 1) Adjust the reception frequency of the main unit to 108.0 MHz.
- 2) Adjust L907 until the test point voltage (VT) is  $7.0 \text{ V} \pm 0.1 \text{ V}$ .
- 3) Adjust the reception frequency of the main unit to 87.5 MHz.
- 4) Check that the test point (VT) voltage is about 1.5 V.



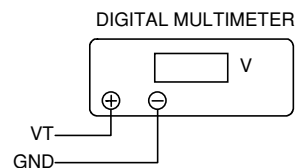
### 3. VT CHECK (AM)

Requirement

Measuring equipment: Digital multi-meter

Test point: TP4 (R962), GND

- 1) Adjust the reception frequency of the main unit to 530 kHz.
- 2) Check that the test point (VT) voltage is about 0.5 V.
- 3) Adjust the reception frequency of the main unit to 1710 kHz.
- 4) Check that the test point (VT) voltage is below 9.0 V.



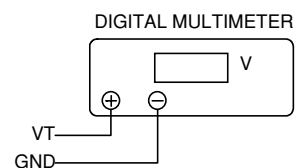
### 4. DC BALANCE CHECK

Requirement

Measuring equipment: Digital multi-meter

Test point: TP2, 3

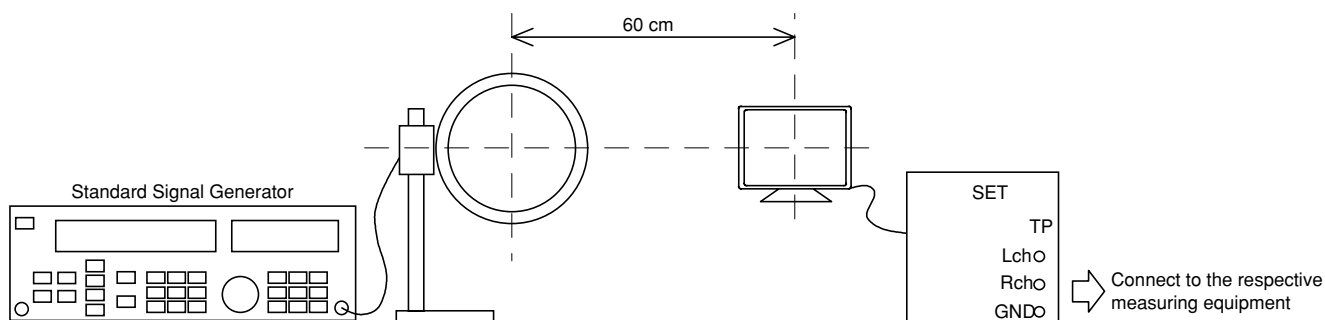
- 1) Adjust the reception frequency of the main unit to 98.0 MHz.
- 2) Check that the test point voltage difference between TP2 and TP3 is  $0 \text{ mV} \pm 500 \text{ mV}$ .



## ELECTRICAL ADJUSTMENT -2/6

### < AM ADJUSTMENT >

For AM adjustment, do wiring and connection as in the following.



### 5. IF ADJUSTMENT

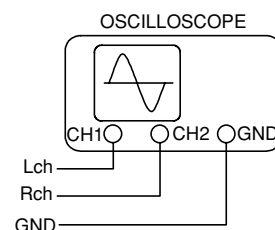
Requirement

Measuring equipment: Oscilloscope or Millivoltmeter

Test point: TP8 (Lch), TP9 (Rch), GND

Adjustment point: L802

- 1) Adjust the setting of Standard Signal Generator (hereinafter S.S.G.) to 999 kHz of 30% variation.
- 2) Adjust the receiving frequency of the main unit at 1000 kHz.
- 3) While looking at the waveform on the oscilloscope, reduce the output level all the way (till a certain degree of is monitored through the oscilloscope).
- 4) Adjust L802 until the waveform of the oscilloscope reaches the maximum.



### 6. TRACKING ADJUSTMENT (AM)

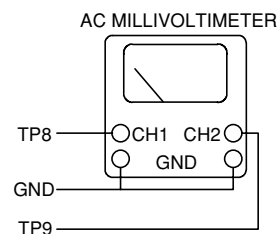
Requirement

Measuring equipment: Millivoltmeter

Test point: TP8 (Lch), TP9 (Rch), GND

Adjustment point: L954, L955

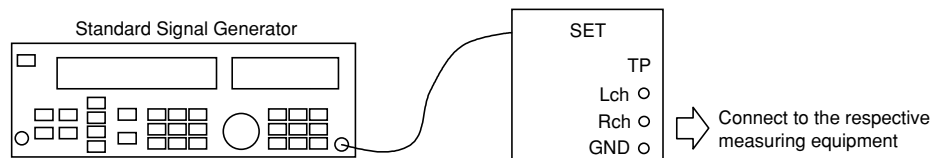
- 1) Adjust the S.S.G. setting to 1,000 kHz of 30% variation and reduce the output level all the way (till a certain degree of is monitored through the oscilloscope).
- 2) Adjust the reception frequency of the main unit to 1,000 kHz.
- 3) Adjust L954 until the value of the millivoltmeter reaches the maximum.
- 4) Adjust the S.S.G. setting to 600 kHz of 30% variation and reduce the output level all the way (till a certain degree of is monitored through the oscilloscope).
- 5) Adjust the reception frequency of the main unit to 600 kHz.
- 6) Adjust L955 until the value of the millivoltmeter reaches the maximum.
- 7) Repeat the adjustment 2 or 3 times from step 1 to 6 above.



## ELECTRICAL ADJUSTMENT -3/6

### <FM ADJUSTMENT>

For adjusting FM, do wiring function and connection as in the following.



### 7. TRACKING ADJUSTMENT

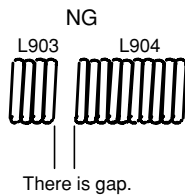
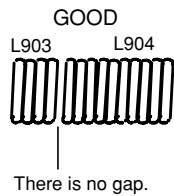
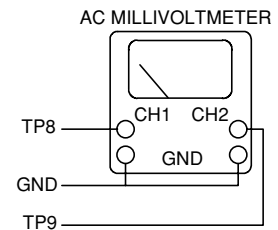
Requirement

Measuring equipment: millivoltmeter

Test point: TP8 (Lch), TP9 (Rch), GND

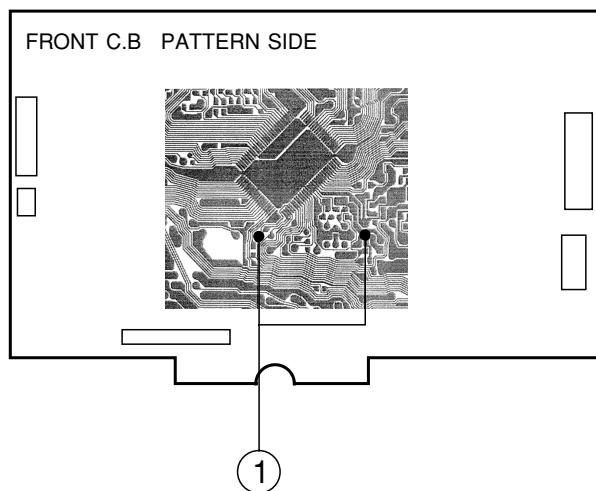
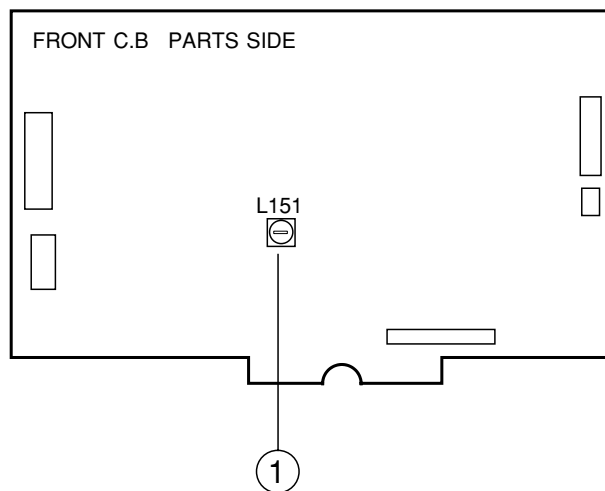
Adjustment point: L904

- 1) Adjust the S.S.G. setting to 87.5 kHz of 30% variation and reduce the output level all the way (till a certain degree of is monitored through the oscilloscope).
- 2) Adjust L904 until the value of the milivoltmeter reaches the maximum.





<FRONT SECTION>



1. CLOCK Adjustment

Equipment

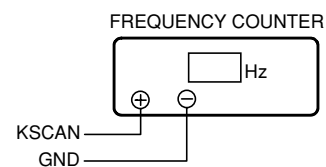
Measure: Frequency Counter

Test Point: KSCAN, GND

Adjustment Point: L151

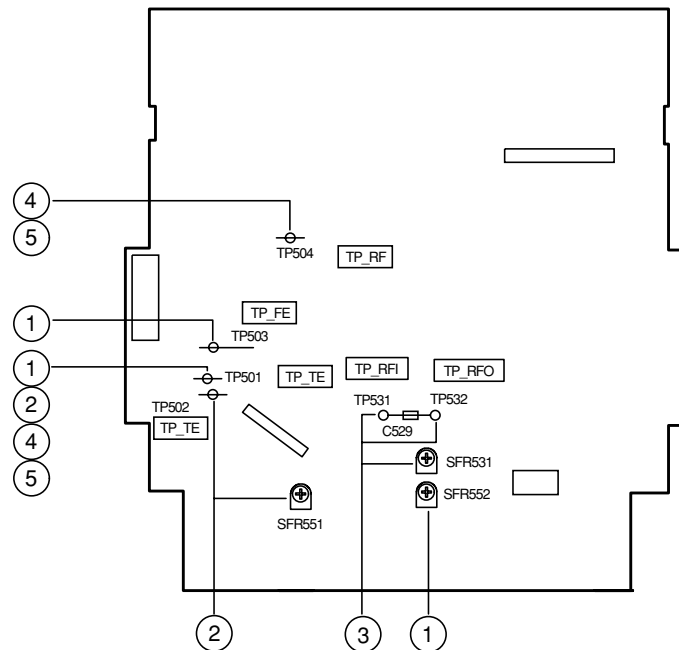
1) Insert AC plug pushing tuner button and power button.

2) Adjust L151 so that the frequency counter ranges at  $349.92 \text{ Hz} \pm 0.35 \text{ Hz}$ .



## <CD SECTION>

CD C.B PARTS SIDE



- Adjust and check at test mode.
- Keep at a level CD Mechanism.
- Equipment

Measure: Oscilloscope (using probe 10:1)

Digital Multimeter (using at DCV range)

Jitter Meter (KIKUSUI 6135 or 6235)

Test Disc: TCD-782/ATD-001

### 1. Focus Offset Adjustment

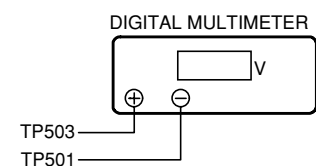
Conditions

Measuring equipment: Digital Multimeter

Test point: TP503 (FE), TP501(VC)

Adjustment point: SFR552

- 1) Connect the Digital multimeter to Test point TP503 (FE) and TP501 (VC).
- 2) Press DEMO/PRESET key.
- 3) Press PLAY key without setting Disc (light on MIC of FL).
- 4) Adjust SFR552 so that the Multimeter ranges  $0 \pm 20$  mV.



### 2. Tracking Offset Adjustment

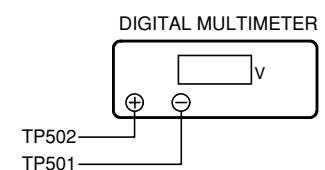
Conditions

Measuring equipment: Digital Multimeter

Test point: TP502 (TE), TP501(VC)

Adjustment point: SFR551

- 1) Connect the Digital multimeter to Test point TP502 (TE) and TP501 (VC).
- 2) Press DEMO/PRESET key.
- 3) Press PLAY key without setting Disc (light on MIC of FL).
- 4) Adjust SFR551 so that the Multimeter ranges  $0 \pm 20$  mV.



## ELECTRICAL ADJUSTMENT -6/6

### 3. RF Offset Adjustment

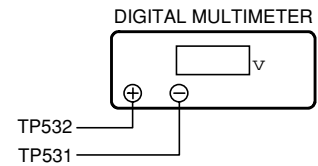
Conditions

Measuring equipment: Digital Multimeter

Test point: TP532 (RF-O), TP531(RF-I)

Adjustment point: SFR531

- 1) Connect the Digital multimeter to Test point TP532 (RF-O) and TP531 (RF-I).
- 2) Press DEMO/PRESET key.
- 3) Press PLAY key without setting Disc (light on MIC of FL).
- 4) Adjust SFR531 so that the Multimeter ranges  $0 \pm 100$  mV.



### 4. RF Waveform Check

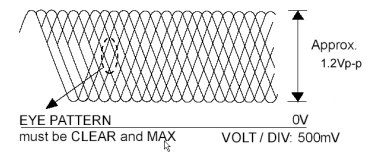
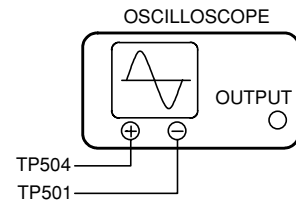
Conditions

Measuring equipment: Oscilloscope

Test point: TP504 (TP-RF), TP501(TP-VC)

Test disc: TCD-782

- 1) Connect the Oscilloscope to Test Point TP504 (TP-RF) and TP501 (TP-VC)
- 2) Play second track of TCD-782.
- 3) Check that the amplitude of RF waveform is maximum, and that the lozenge of center appear clearly.



### 5. Jitter Check

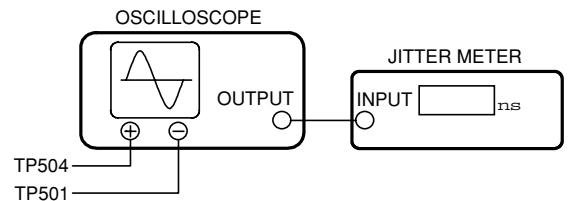
Conditions

Measuring equipment: Oscilloscope/Jitter meter

Test point: TP504 (TP-RF), TP501(TP-VC)

Test disc: TCD-782

- 1) Keeping on connecting Oscilloscope to 4, connect the output pin of Oscilloscope to the input pin of Jitter Meter.
- 2) Tune the knob of Oscilloscope voltage range at less than 500 mV.
- 3) Play second track of TCD-782.
- 4) Check that the display of Jitter Meter is as bellows.  
KIKUSUI6135: less than 11.5nS  
KIKUSUI6235: less than 40.0nS



### 6. Play Ability Check

- 1) Play track 3, 8, 13 of ATD-001, and check playing makes any noise or sound jump.

## CD TEST MODE -1/1

### 1. Starting CD Test Mode

While pressing and holding down the CD PLAY button, insert the AC plug to outlet.  
When test mode starts, the message, CD TEST appears on the display

### 2. Exiting CD Test Mode

Press the POWER button or the other function keys, or remove the AC plug from outlet.

### 3. Function of CD Test Mode

No	Mode	Function Key	Display	Movement	Check
1	Start Mode		All lit.	FL all lit.	<ul style="list-style-type: none"><li>• FL check</li><li>• Microcomputer check</li></ul>
2	Search Mode	STOP button	READING	<ul style="list-style-type: none"><li>• LD constantly lit.</li><li>• Focus search continuous movement *1</li><li>• Spindle motor continuous kick</li></ul>	<ul style="list-style-type: none"><li>• APC circuit check</li><li>• Laser current electricity measurement</li><li>• Focus search waveform check</li><li>• Focus error waveform check (FOK is ignored during search mode.)</li></ul>
3	Play Mode	PLAYbutton	Normal	<ul style="list-style-type: none"><li>• Normal playback</li><li>• If TOC READ is unavailable, focus search is continued.</li></ul>	<ul style="list-style-type: none"><li>• Each servo circuit check</li><li>• FOK check</li><li>• RF waveform check (1.2 Vp-p Approx.)</li></ul>
4	CD-RW Mode	DEMO/PRESET button	MIC lit.	<ul style="list-style-type: none"><li>• Whenever it pushes a button, CD (-R) and CD-RW gain changes.</li></ul>	<ul style="list-style-type: none"><li>• CD-RW circuit check</li></ul>
5	Sled Mode	FF button	CD TEST	<ul style="list-style-type: none"><li>• PU moves to the innermost position. *2</li></ul>	<ul style="list-style-type: none"><li>• Sled circuit check</li><li>• Mechanism movement check</li><li>• PU check</li></ul>
		RWD button	CD TEST	<ul style="list-style-type: none"><li>• PU moves to the outermost position. *2</li></ul>	
6	Disc Change Mode	DISC DIRECT PLAY button	Normal	<ul style="list-style-type: none"><li>• DISC CHANGE → PLAY movement</li></ul>	<ul style="list-style-type: none"><li>• Mechanism movement check</li></ul>

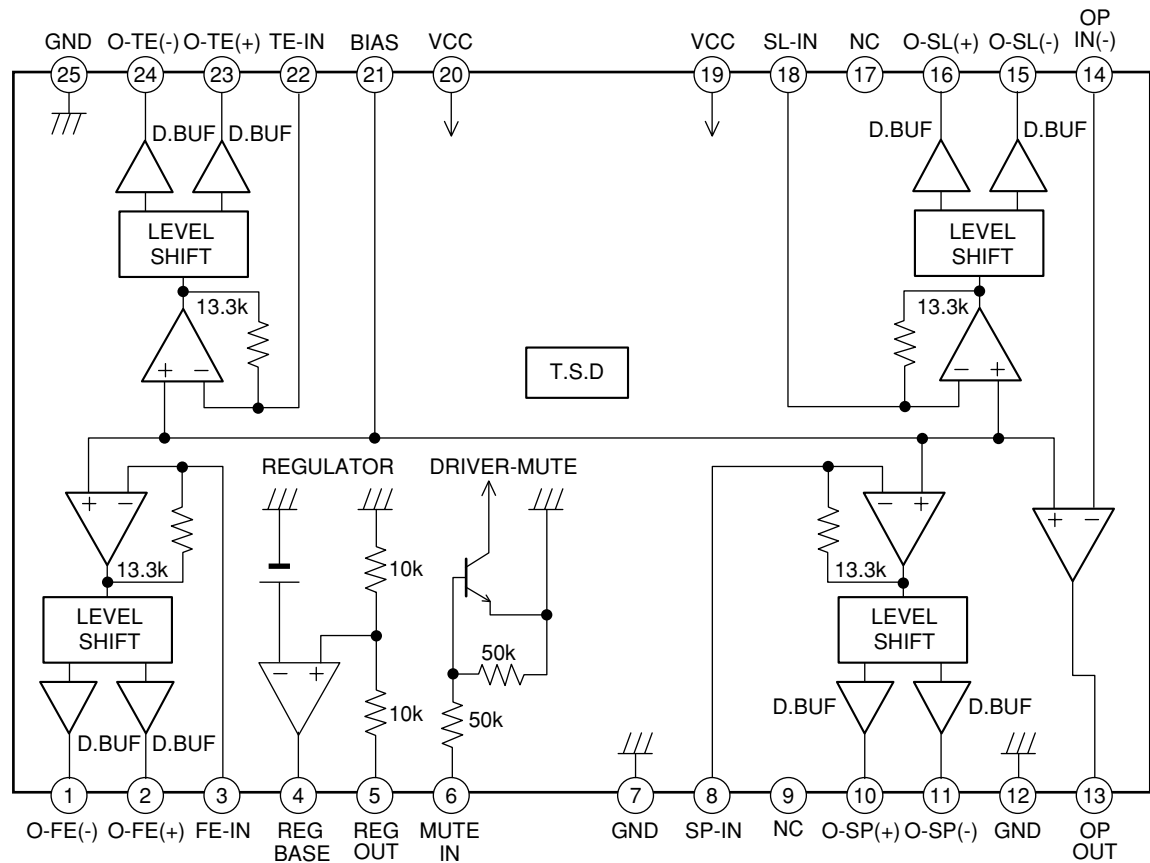
\* 1 ... When Focus Search operates continuously more than 10 minutes, the protection circuit is activated due to heat generation of the driver IC.  
In this case, turn off the power, wait for approximately 10 minutes so that heat is released, and then restart.

\* 2 ... Be careful not to damage the gear because the sled motor rotates while the FF or RWD button is being pressed even if the pickup is located in the innermost track or the outermost track.

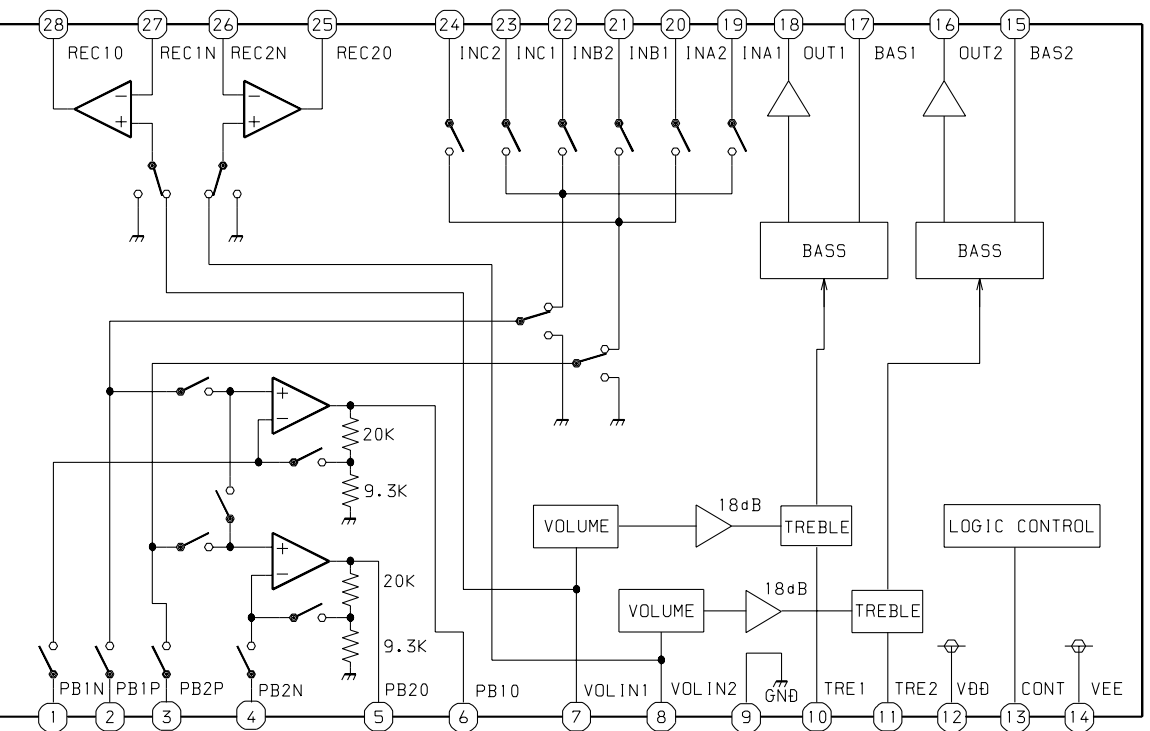


IC BLOCK DIAGRAM -1/2

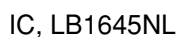
IC, BA5949FP



IC, BD3881FV



## IC, CXA1992AR



# IC DESCRIPTION -1/2 (LC876764A-50J8) -1/3

Pin No.	Pin Name	I/O	Description
1	O-CLK	O	Main clock input
2	O-DATA	O	Main data output
3	O-/L-MUTE	O	Line out mute output
4	O-/KSCAN	O	KEY SCAN output at the time of reading
5	O-/MUTE	O	Main mute output
6	O-TUNER-ON	O	TUNER power ON output
7	O-/STBY-LED	O	Stand-by LED lighting output
8	O-ILM-LED	O	LED lighting output for window
9	O-/CLK-SHIFT	O	Clock shift output
10	O-/XXXXXX	O	Window automatic open/close LED output
11	$\overline{\text{RESET}}$	I	Reset input. RESET at Active "L".
12	I-KEY1	I	KEY1 A/D input
13	I-KEY2	I	KEY2 A/D input
14	VSS1	-	Ground of digital circuits
15	CF1	I	Input signal of ceramics oscillator
16	CF2	O	Output signal of ceramics oscillator
17	VDD1	-	Power supply
18	I-DRV DET	I	CD, Window Mechanism restricted detection input
19	I-STKR SW	I	CD Mechanism STKR SWAD input
20	I-HOLD	I	Power failure detection A/D input
21	I-SENS	I	CD SENS signal input
22	I-SUBQ	I	CD SUBQ signal input
23	I-IFC	I	TUNER IF count input
24	I-W-SW	I	CD Mechanism window SW input
25	I-RDS DATA	I	TUNER RDS data input
26	I-TU SIG	I	TUNER tuning signal A/D input
27	I-RDS CLK	I	TUNER RDS clock input
28	I-TM-BASE	I	Clock standard 8Hz input
29	I-RMC	I	Remote control sensor data input
30	G10	-	FL grid control
31	G9	-	FL grid control
32	G8	-	FL grid control
33	G7	-	FL grid control
34	G6	-	FL grid control
35	G5	-	FL grid control
36	G4	-	FL grid control
37	G3	-	FL grid control
38	G2	-	FL grid control
39	G1	-	FL grid control
40	P35	-	FL segment control
41	P34	-	FL segment control
42	P33	-	FL segment control



# IC DESCRIPTION -1/2 (LC876764A-50J8) -2/3

Pin No.	Pin Name	I/O	Description
43	P32	-	FL segment control
44	P31	-	FL segment control
45	P30	-	FL segment control
46	VDD3	-	Power supply
47	P29	-	FL segment control
48	P28	-	FL segment control
49	P27	-	FL segment control
50	P26	-	FL segment control
51	FIX0	-	Micon Test Point
52	P25	-	FL segment control
53	P24	-	FL segment control
54	ECO-ON/P23	-	FL segment control/ECO mode initial ON diode input
55	LW/P22	-	FL segment control/LW diode input
56	RDS/P21	-	FL segment control/RDS diode input
57	DEMO/P20	-	FL segment control/Demonstration of shop front diode input
58	FM WIDE/P19	-	FL segment control/FM WIDE diode input
59	FM1/P18	-	FL segment control/FM1 diode input
60	AM /9K/10K/P17	-	FL segment control/AM10K changing diode input
61	P16	-	FL segment control
62	P15	-	FL segment control
63	P14	-	FL segment control
64	P13	-	FL segment control
65	P12	-	FL segment control
66	P11	-	FL segment control
67	P10	-	FL segment control
68	P9	-	FL segment control
69	P8	-	FL segment control
70	P7	-	FL segment control
71	P6	-	FL segment control
72	VDD4	-	Power supply
73	P5	-	FL segment control
74	P4	-	FL segment control
75	P3	-	FL segment control
76	P2	-	FL segment control
77	P1	-	FL segment control
78	NC	-	Not connected
79	NC	-	Not connected
80	O-L-DOWN	O	CD lenz DOWN output
81	O-CD-LED1	O	CD DISC1 LED output
82	O-CD-LED2	O	CD DISC2 LED output
83	O-CD-LED3	O	CD DISC3 LED output

# IC DESCRIPTION -1/2 (LC876764A-50J8) -3/3

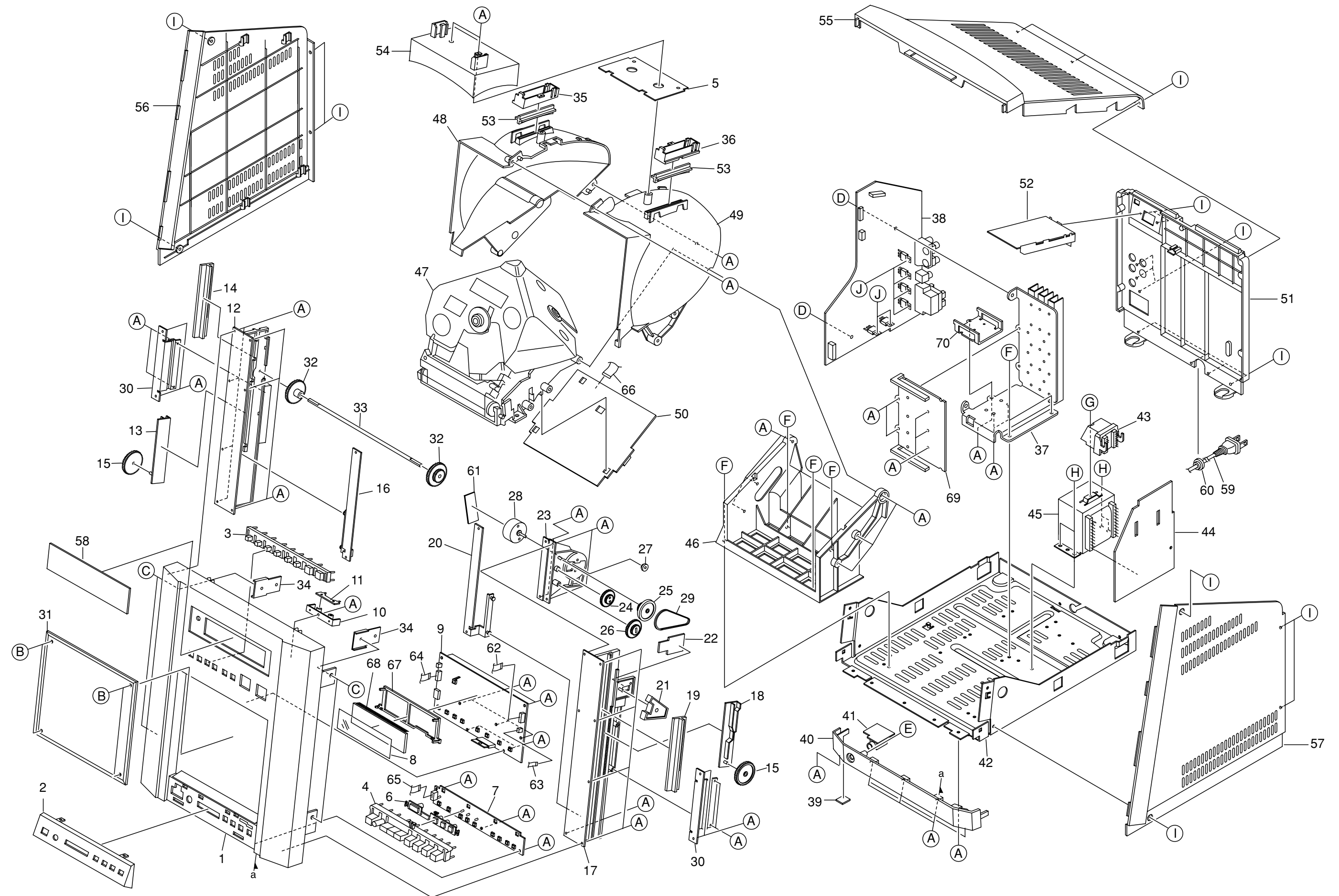
Pin No.	Pin Name	I/O	Description
84	O-W-VOL	O	WIndow drive voltage variable output
85	O-W-OPEN	O	Window open output
86	O-W-CLOSE	O	Window close output
87	O-LD FWD	O	CD Mechanism FWD rotation output
88	O-LD REV	O	CD Mechanism RWD rotation output
89	VSS2	-	Ground of digital circuits
90	VDD2	-	Power supply
91	O-VOL COT	O	CD mechanism voltage control output
92	O-CD ON	O	CD power supply ON output
93	O-CD CLK	O	CD clock output
94	O-CD XLT	O	CD latch output
95	O-CD DATA	O	CD data output
96	O-CD SQCK	O	CD SUBQ clock output
97	I-CLMP SW	I	CD Mechanism CLMP SW input
98	O-PLL CE	O	TUNER PLL chip enable output
99	I-STEREO	I	Stereo detect input
100	O-POWER	O	System power supply ON/OFF output

# IC DESCRIPTION -2/2 (CXD2589Q) -1/2

Pin No.	Pin Name	I/O	Description
1	VSS0	–	Ground of digital circuits
2	LMUT	O	Lch "0" detecting flag. (Not used)
3	RMUT	O	Rch "0" detecting flag. (Not used)
4	SQCK	I	Clock input for reading SQSO
5	SQSO	O	SubQ 80bit serial output
6	SENS	O	SENS output to CPU
7	DATA	I	Serial data input from CPU
8	XLAT	I	Latch input from CPU. Latches serial data at the trailing edge.
9	XCLK	I	Clock input for serial data transfer from CPU
10	SEIN	I	SENS input from SSP
11	CNIN	I	Count track jump number input
12	DATO	O	Serial data output for SSP
13	XLTO	O	Serial data latch output for SSP. Latch at falling.
14	CLKO	O	Outputs clock for transferring SSP serial data
15	(SENSE2) SPOA	I	Microprocessor extended interface (input A)
16	SPOB (IN/SW)	I	Microprocessor extended interface (input B)
17	RW	O	Microprocessor extended interface (output)
18	FCOK	I	Focus OK signal input. It is used for a SENS output and a servo auto sequencer.
19	VDD1	–	Power supply (+5V)
20	VSS1	–	Ground of digital circuits
21	MDP	O	Spindle motor servo control output
22	PWMI	I	Exterior control input of spindle motor (connect to GND)
23	TEST	I	TEST pin. Normally, grounded.
24	TESI	I	TEST pin. Normally, grounded.
25	VPCO	O	Charge pump output for EFM PLL of extensive zone (Not used)
26	VCKI	I	Oscillator input for EFM PLL of extensive zone
27	V16M	O	Oscillator output for EFM PLL of extensive zone
28	VCTL	I	VCO2 control voltage input for EFM PLL of extensive zone (connect to VDD)
29	PCO	O	Charge pump output for master PLL
30	FILO	O	Filter output for master PLL (Slave: Digital PLL)
31	FILI	I	Filter input for master PLL
32	AVSO	–	Analog GND
33	CLTV	I	VCO control voltage input for multiplication
34	AVDO	–	Analog power supply (+5V)
35	RF	I	EFM signal input
36	BIAS	I	Asymmetry circuit constant current input
37	ASYI	I	Asymmetry comparator voltage input
38	ASYO	O	EFM full-swing output ("L": Vss; "H": VDD)
39	LRCK	O	D/A interface LR clock output f=Fs
40	LRCKI	I	LR clock input
41	PCMD	O	D/A interface serial data output (2's COMP, MSB first)

## IC DESCRIPTION -2/2 (CXD2589Q) -2/2

Pin No.	Pin Name	I/O	Description
42	PCMDI	I	D/A interface serial data input (2's COMP, MSB first)
43	BCK	O	D/A interface bit clock output
44	BCKI	I	D/A interface bit clock input
45	VSS2	–	Ground of digital circuits
46	VDD2	–	Power supply (+5V)
47	XUGF	O	WUGF output. MNT1 or RFCK is output when switched by command. (Not used)
48	XPCK	O	XPCK output. MNT0 is output when switched by command. (Not used)
49	GFS	O	GFS output. MNT3 or XROF is output when switched by command. (Not used)
50	C2PO	O	C2PO output. GTOP is output when switched by command. (Not used)
51	XTSL	I	Crystal select input. "L" when 16.9344MHz crystal is used; "H" when 33.8688MHz crystal is used.
52	C4M	O	4.2336MHz output. 1/4 of VCKI circumference is output when CAV-W mode drives (Not used)
53	DOUT	O	Digital output
54	EMPH	O	Outputs "H" when disc to be played is applied with emphasis; "L" when disc is not applied with emphasis.
55	EMPHI	I	Inputs "H" when demphasis is ON; "L" when demphasis is OFF.
56	WFCK	O	WFCK output. (Not used)
57	SCOR	O	Outputs "H" when Sub-code sync S0 or S1 is detected. (Not used)
58	SBSO	O	SubP- W serial output. (Not used)
59	EXCX	I	Clock input for SBSO read out. (Connect to ground)
60	VSS3	–	Ground of digital circuits
61	VDD3	–	Power supply (+5V)
62	SYSM	I	Muting input. Muted at "H". (Connect to analog ground)
63	AVS11	–	Analog GND.
64	AVD1	–	Analog power supply (+5V)
65	AOUT1	O	Lch analog output
66	AIN1	I	Lch OP amp input
67	LOUT1	O	Lch LINE output
68	AVSI2	–	Analog ground
69	XVDD	–	Power supply of master clock
70	XTAI	I	Crystal oscillator input. External master clock is input to this pin.
71	XTAO	O	Crystal oscillator output.
72	XVSS	–	Ground of master clock
73	AVS22	–	Ground of analog circuits
74	LOUT2	O	Rch LINE output
75	AIN2	I	Rch OP amp input
76	AOUT2	O	Rch analog output
77	AVD2	–	Analog power supply (+5V)
78	AVS21	–	Analog GND.
79	XRST	I	System reset. Reset at "L".
80	VDD0	–	Power supply (+5V)



# MECHANICAL PARTS LIST -1/2

! = SAFETY PARTS

C = Components marked

All components used on this model at the production line are shown in this service manual.

However, please note that not all components will be available as spare parts for after-sales service.

Components marked S and O are designated as spare parts for service and will be stocked at the spare parts centers.

Components marked X and R are not designated as spare parts for after sales service, and will not be stocked at the spare parts centers.

UNIT-NAME	! C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL	
					CX-SLTC80 USC	CX-SLTC80 UCSC
		O MC1001	8C-DC1-001-010	CABI, FR U	a	b
		O MC1002	8C-DC1-012-010	PANEL, FR	a	b
		O MC1003	8C-DC1-014-010	KEY, VOL	a	b
		O MC1004	8C-DC1-015-010	KEY, ASSY POWER	a	b
		X MC1004a	8C-DC1-016-010	KEY, POWER	a	b
		X MC1004b	8C-DC1-017-010	REFLECTOR, ECO	a	b
		X MC1005	8C-DC1-615-110	PWB, LED	a	b
		O MC1006	8C-DC1-210-010	GUIDE, POWER	a	b
		X MC1007	8C-DC1-612-110	PWB, KEY	a	b
		X MC1008	8C-DC1-021-010	SH, FL	a	b
		X MC1009	8C-DC1-611-110	PWB, FRONT	a	b
		O MC1010	8C-DC1-214-010	GUIDE, LED FR	a	b
		X MC1011	8C-DC1-618-110	PWB, LED FR	a	b
		O MC1012	8C-DC1-221-010	HLDR, OPEN L	a	b
		O MC1013	8C-DC1-223-010	SLIDER, A L	a	b
		O MC1014	8C-DC1-225-010	SLIDER, B L	a	b
		O MC1015	8C-DC1-230-010	GEAR, PLANET	a	b
		O MC1016	8C-DC1-227-110	ARM, WINDOW L	a	b
		O MC1017	8C-DC1-222-010	HLDR, OPEN R	a	b
		O MC1018	8C-DC1-224-010	SLIDER, A R	a	b
					CX-SLTC80 USC	CX-SLTC80 UCSC
		O MC1019	8C-DC1-226-010	SLIDER, B R	a	b
		O MC1020	8C-DC1-228-110	ARM, WINDOW R	a	b
		O MC1021	8C-DC1-229-010	LEVER, SW	a	b
		X MC1022	8C-DC1-614-110	PWB, SW	a	b
		O MC1023	8C-DC1-234-010	HLDR, MECHA MOT	a	b
		O MC1024	8C-DC1-235-010	GEAR, RELAY A	a	b
		O MC1025	8C-DC1-237-010	PULLEY, RELAY	a	b
		O MC1026	8C-DC1-236-010	GEAR, RELAY B	a	b
		O MC1027	84-ZG1-267-010	PULLEY, LOAD MO 8	a	b
		O MC1028	87-045-305-010	MOT, RF-500TB	a	b
		O MC1029	8C-DC1-238-010	BELT, SQ1.6-96.1	a	b
		O MC1030	8C-DC1-239-010	HLDR, SLIDER	a	b
		O MC1031	8C-DC1-011-010	WINDOW, FR	a	b
		O MC1032	8C-DC1-231-010	GEAR, OPEN	a	b
		O MC1033	8C-DC1-232-010	SHAFT, OPEN	a	b
		X MC1034	8C-DC1-209-010	HLDR, FR	a	b
		O MC1035	8C-DC1-207-010	GUIDE, LED MECHA L	a	b
		O MC1036	8C-DC1-208-010	GUIDE, LED MECHA R	a	b
		X MC1037	8C-DC1-218-010	HT-SINK, ASSY MAIN	a	b
		X MC1037a	8C-DC1-204-010	HT-SINK, MAIN	a	b
					CX-SLTC80 USC	CX-SLTC80 UCSC
		X MC1037b	8C-DC1-219-010	HT-SINK, FIN A	a	b
		X MC1037c	8C-DC1-220-010	HT-SINK, FIN B	a	b
		X MC1038	8C-DC1-621-110	PWB, MAIN	a	b
		O MC1039	8C-DC1-006-010	CABI, BOTTOM	a	b
		X MC1040	8B-NF9-204-010	CUSH, 11-8.5-2	a	b
		X MC1041	8C-DC1-622-110	PWB, HP	a	b
		X MC1042	8C-DC1-201-010	CHAS, MAIN	a	b
		X MC1043	8C-DC1-203-010	HLDR, PWB PT	a	b
		X MC1044	8C-DC1-617-110	PWB, PT	a	b
		O MC1045	8C-DC1-635-010	PT, U	a	.
		O MC1045	8C-DC1-635-110	PT, UC	.	b
		X MC1046	8C-DC1-202-010	HLDR, MECHA	a	b
		X MC1047	M8-BZG-496-070	BZG-4 A2NC2	a	b
		O MC1048	8C-DC1-007-010	COVER, MECHA L	a	b
		O MC1049	8C-DC1-008-010	COVER, MECHA R	a	b
		X MC1050	8C-DC1-616-110	PWB, CD	a	b
		O MC1051	8C-DC1-002-010	CABI, REAR USC	a	b
		X MC1052	A8-CZA-391-070	CZA-3 UC	a	b
		O MC1053	8C-DC1-019-010	REFLECTOR, MECHA	a	b
		X MC1054	8C-DC1-213-010	HLDR, FFC	a	b
					CX-SLTC80 USC	CX-SLTC80 UCSC
		O MC1055	8C-DC1-003-010	PANEL, TOP V2	a	b
		O MC1056	8C-DC1-004-010	PANEL, LEFT V2	a	b
		O MC1057	8C-DC1-005-010	PANEL, RIGHT V2	a	b
		O MC1058	8C-DC1-009-010	WINDOW, ASSY DISP	a	b
		X MC1058a	8C-DC1-010-010	WINDOW, DISP	a	b
	!	O MC1059	87-A80-110-010	AC CORD ASSY, U SPT-2W	a	b
		O MC1060	87-A91-422-010	BUSHING, AC CORD(U)	a	b
		X MC1061	8C-DC1-613-110	PWB, MOTOR	a	b
		O MC1062	88-914-351-110	FF-CABLE, 14P 1.25 350MM	a	b
		O MC1063	88-904-201-110	FF-CABLE, 4P 1.25	a	b
		O MC1064	88-917-231-110	FF-CABLE, 17P 1.25 230MM	a	b
		O MC1065	88-909-281-110	FF-CABLE, 9P 1.25 280MM	a	b
		O MC1066	88-906-151-110	FF-CABLE, 6P 1.25	a	b
		O MC1067	8C-DC1-211-010	GUIDE, FL	a	b
		O MC1068	8C-DC1-601-010	FL, 10-BT-246GNK	a	b
		X MC1069	8C-DC1-205-010	HT-SINK, SUB A	a	b
		X MC1070	8C-DC1-206-010	HT-SINK, SUB B	a	b
		O MC1A	87-067-703-010	BVT2+3-10 W/O SLOT	a	b
		O MC1B	8C-DC1-022-010	S-SCREW, CDC1	a	b
		O MC1C	87-721-095-410	QT2+3-8 W/O SLOT	a	b

MECHANICAL PARTS LIST -2/2

! = ⚠ SAFETY PARTS  
C = Components marked

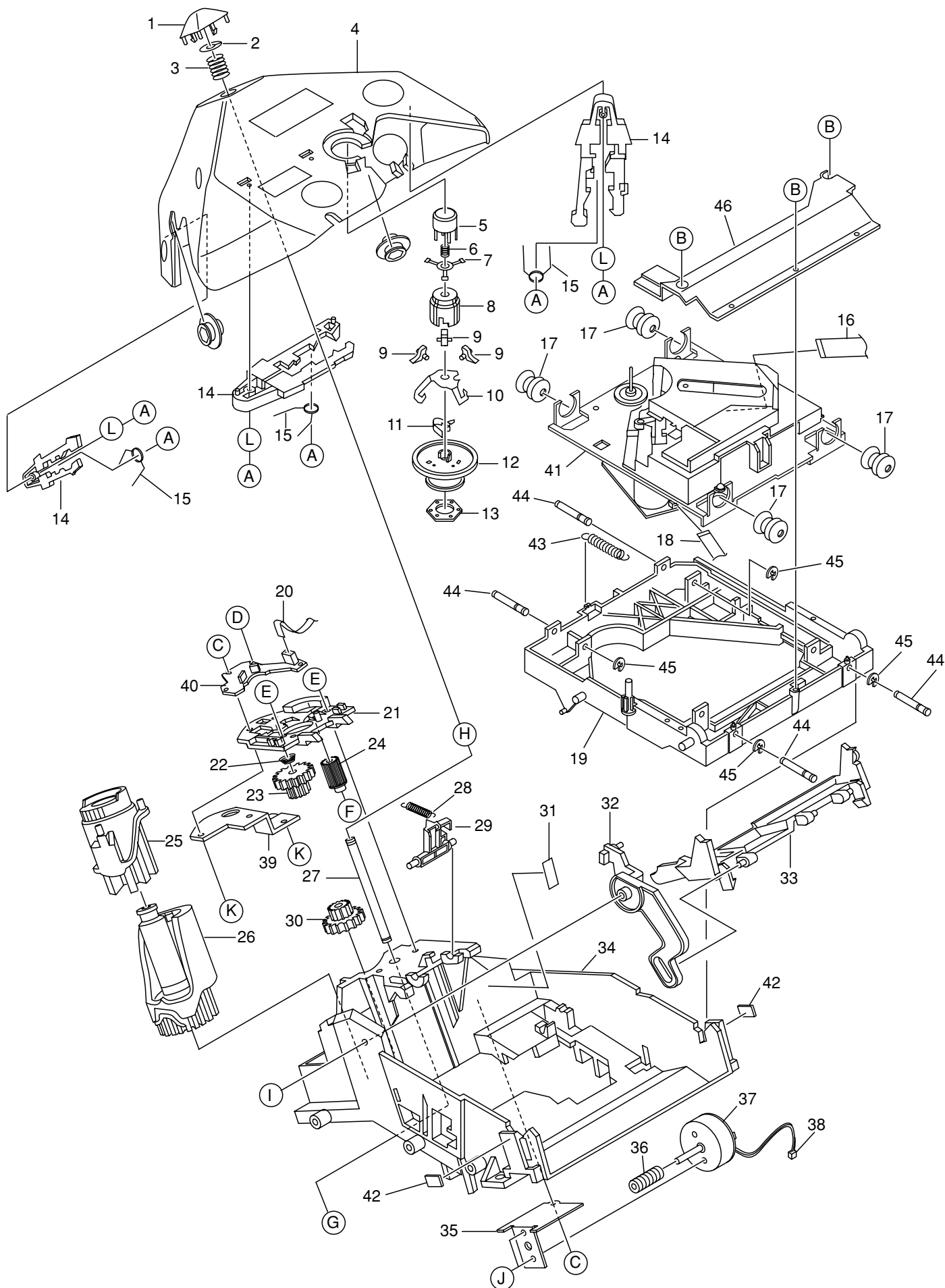
All components used on this model at the production line are shown in this service manual.  
However, please note that not all components will be available as spare parts for after-sales service.  
Components marked S and O are designated as spare parts for service and will be stocked at the spare parts centers.  
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UNIT-NAME	! C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL	
					CX-SLTC80 USC	CX-SLTC80 UCSC
	O	MC1D	87-NF4-224-010	S-SCREW, IT3B+3-8 CU	a	b
	O	MC1E	88-AR1-217-010	S-SCREW, BFT2+3-8	a	b
	O	MC1F	87-B10-315-010	BVIT3B+3-8 R W/O	a	b
	O	MC1G	87-067-584-010	BVT2+3-6 W/O SLOT	a	b
	O	MC1H	87-B10-318-010	BVIT3C+4-8 R W/O	a	b
	O	MC1I	87-067-761-010	BVT2+3-10 BLK	a	b
	O	MC1J	87-067-579-010	BVT2+3-8 W/O SLOT	a	b

COLOR NAME TABLE -1/1

Basic color symbol	Color	Basic color symbol	Color	Basic color symbol	Color
B	Black	C	Cream	D	Orange
G	Green	H	Gray	L	Blue
LT	Transparent Blue	N	Gold	P	Pink
R	Red	S	Silver	ST	Titan Silver
T	Brown	V	Violet	W	White
WT	Transparent White	Y	Yellow	YT	Transparent Yellow
LM	Metallic Blue	LL	Light Blue	GT	Transparent Green
LD	Dark Blue	DT	Transparent Orange	GM	Metallic Green
YM	Metallic Yellow	DM	Metallic Orange	PT	Transparent Pink
LA	Aqua Blue	GL	Light Green	HT	Transparent Gray
HM	Metallic Gray	NH	Champagne Gold	M	Wood Pattern

# CD MECHANISM EXPLODED VIEW -1/1 <BZG-4 A2NC2>





# CD MECHANISM PARTS LIST -1/1 <BZG-4 A2NC2>

! =  SAFETY PARTS

C = Components marked

All components used on this model at the production line are shown in this service manual.

However, please note that not all components will be available as spare parts for after-sales service.

Components marked S and O are designated as spare parts for service and will be stocked at the spare parts centers.

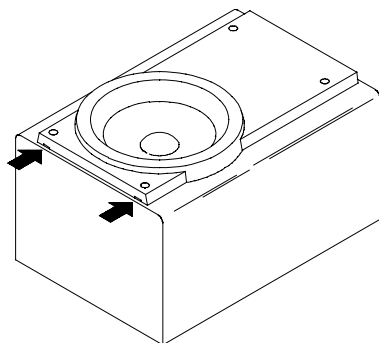
Components marked X and R are not designated as spare parts for after sales service, and will not be stocked at the spare parts centers.

UNIT-NAME	! C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL
					BZG-4 A2NC2
	O	SC1001	8B-ZG4-258-010	CAP,TT	a
	O	SC1002	8B-ZG4-252-010	W-P,3.2-10-0.5 SLIT	a
	O	SC1003	8B-ZG4-250-010	SPR-C,TT BH	a
	O	SC1004	8B-ZG4-202-210	TURN TABLE,BH	a
	O	SC1005	8B-ZG4-225-010	CAP,CD A	a
	O	SC1006	8B-ZG4-237-010	SPR-C,CAP	a
	O	SC1007	8B-ZG4-234-110	CAP,CD C	a
	O	SC1008	8B-ZG4-226-010	CAP,CD B	a
	O	SC1009	8B-ZG4-223-010	LEVER,HOOK	a
	O	SC1010	8B-ZG4-240-010	SPR-P,HOOK	a
	O	SC1011	8B-ZG4-228-010	SPR-P,CAP	a
	O	SC1012	8B-ZG4-211-110	TURN TABLE,BC	a
	O	SC1013	8B-ZG4-213-010	PLATE,CHUCK	a
	O	SC1014	8B-ZG4-206-110	LEVER,LOCK TT	a
	O	SC1015	8B-ZG4-248-010	SPR-T,LOCK TT	a
	O	SC1016	8B-ZG4-604-010	FF-CABLE,16P 1.0 220MM	a
	O	SC1017	8A-ZG1-204-010	CUSHION,CD880BRN	a
	O	SC1018	88-906-121-110	FF-CABLE,6P	a
	O	SC1019	8B-ZG4-209-110	HLDR,MECHA	a
	O	SC1020	8B-ZG4-602-010	FF-CABLE,4P 1.0 220MM	a
					BZG-4 A2NC2
	O	SC1021	8B-ZG4-221-110	PLATE,GEAR	a
	O	SC1022	8B-ZG4-259-010	SPR-C,GB	a
	O	SC1023	8B-ZG4-218-110	GEAR,B	a
	O	SC1024	8B-ZG4-219-010	GEAR,C	a
	O	SC1025	8B-ZG4-230-010	CAM,MAIN A2	a
	O	SC1026	8B-ZG4-231-010	CAM,MAIN B2	a
	O	SC1027	8B-ZG4-208-010	SHAFT,CTR	a
	O	SC1028	8B-ZG4-236-010	SPR-E,CAM LOCK	a
	O	SC1029	8B-ZG4-222-010	LEVER,CAM LOCK	a
	O	SC1030	8B-ZG4-217-010	GEAR,A	a
	X	SC1031	8B-ZG4-255-010	SH, 6-15-0.15	a
	O	SC1032	8B-ZG4-215-010	LEVER,M UP	a
	O	SC1033	8B-ZG4-216-010	LEVER,M LOCK	a
	O	SC1034	8B-ZG4-201-310	BASE,	a
	O	SC1035	8B-ZG4-229-010	HLDR,MOT	a
	O	SC1036	8B-ZG4-220-110	GEAR,MOT	a
	O	SC1037	87-045-305-010	MOT,RF-500TB	a
	O	SC1038	8B-ZG4-601-010	F-CABLE,2P 120MM	a
	O	SC1039	8B-ZG4-235-010	PLATE,HOLD	a
	X	SC1040	8B-ZG4-612-010	PWB,SW BZG4	a
					BZG-4 A2NC2
	O	SC1041	M8-BZG-D93-070	BZG-D AA1NC	a
	O	SC1042	8B-ZG4-266-010	SH, 6-6-3 W/ADH	a
	O	SC1043	8B-ZG4-239-010	SPR-E,MECHA	a
	O	SC1044	8B-ZG4-263-010	SHAFT,DAMPER VERT	a
	O	SC1045	87-B10-414-010	STOP RING,STE 2.5-6-0.4	a
	O	SC1046	8B-ZG4-257-010	HLDR,C	a
	O	SC1A	8B-ZG4-249-010	S-SCREW,LOCK TT S	a
	O	SC1B	87-B10-398-010	VT2+2-6 W/O SLOT BLK	a
	O	SC1C	87-751-073-410	VT2+2.6-6 W/O SLOT	a
	O	SC1D	87-B10-409-010	VFT2+2-5	a
	O	SC1E	87-751-096-410	VT2+3-10 W/O SLOT	a
	O	SC1F	8B-ZG4-265-010	W-P,2.16-4-0.25 SLIT	a
	O	SC1G	8B-ZG4-261-010	W-L,3.6-6-0.5 C-CUT	a
	O	SC1H	8B-ZG4-264-010	W-L,4.2-9-0.125	a
	O	SC1I	8B-ZG4-251-010	S-SCREW,M UP	a
	O	SC1J	87-251-070-410	U+2.6-3	a
	O	SC1K	87-B10-401-010	VT2+2-5 W/O SLOT BLK	a
	O	SC1L	8B-ZG4-242-010	W-P,3.5-6.2-0.3	a

## GENERAL SPEAKER DISASSEMBLY INSTRUCTIONS (FOR REFERENCE) -1/1

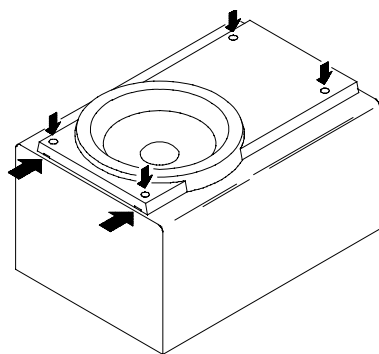
### Type.1

Insert a flat-bladed screwdriver into the position indicated by the arrows and remove the panel. Remove the screws of each speaker unit and then remove the speaker units.



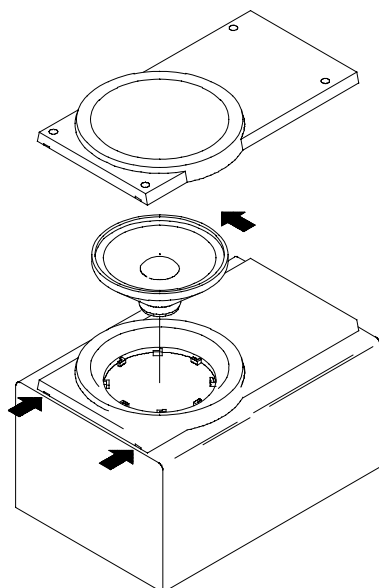
### Type.2

Remove the grill frame and four pieces of rubber caps by pulling out with a flat-bladed screwdriver. Remove the screws from hole where installed rubber caps. Insert a flat-bladed screwdriver into the position indicated by the arrows and remove the panel. Remove the screws of each speaker unit and then remove the speaker units.

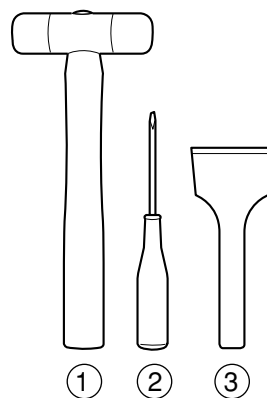


### Type.3

Insert a flat-bladed screwdriver into the position indicated by the arrows and remove the panel. Turn the speaker unit to counter-clockwise direction while inserting a flat-bladed screwdriver into one of the hollows around speaker unit, and then remove the speaker unit. After replacing the speaker unit, install it turning to clockwise direction until "click" sound comes out.



### Type.4



#### TOOLS

- ① Plastic head hammer
- ② (⊖) flat head screwdriver
- ③ Cut chisel

### How to Remove the PANEL, FR

1. Insert the (⊖) flat head screwdriver tip into the gap between the PANEL, FR and the PANEL, SPKR. Tap the head of the (⊖) flat head screwdriver with the plastic hammer head, and create the clearance as shown in Fig-1.
2. Insert the cut chisel in the clearance, and tap the head of the cut chisel with plastic hammer as shown in Fig-2, to remove the PANEL, FR.
3. Place the speaker horizontally. Tap head of the cut chisel with plastic hammer as shown in Fig-3, and remove the PANEL, FR completely.

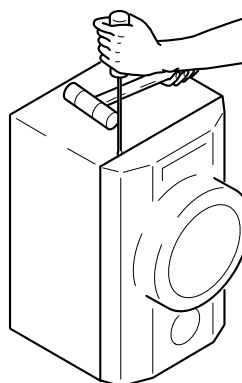


Fig-1

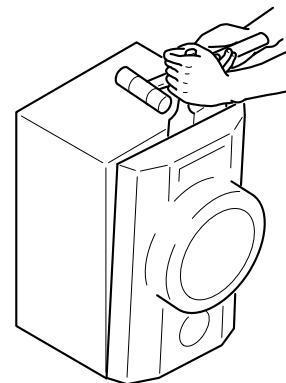


Fig-2

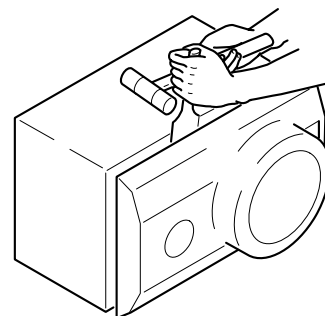



Fig-3

### How to Attach the PANEL, FR

Attach the PANEL, FR to the PANEL, SPKR. Tap the four corners of the PANEL, FR with the plastic hammer to fit the PANEL, FR into the PANEL, SPKR completely.

# SPEAKER PARTS LIST -1/1 <SX-LTC80>

! =  SAFETY PARTS

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UNIT-NAME	! C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL
					SX-SLTC80
					YJSN
	O	SP1001	8B-CP2-614-110	CORD,SP	a
	O	SP1002	8C-CP2-013-010	BOSS,CATCHER	a
	O	SP1003	8C-DS1-001-110	CABI,ASSY S	a
	X	SP1004	8C-DS1-002-110	CABI,S	a
	X	SP1005	8C-DS1-003-010	PANEL,BA	a
	O	SP1006	8C-DS1-004-110	PANEL,FR	a
	O	SP1007	8C-DS1-005-110	GRILLE,FRAME ASSY	a
	X	SP1008	8C-DS1-006-110	GRILLE,FRAME	a
	X	SP1009	8C-DS1-007-110	BADGE,AIWA 30S	a
	X	SP1010	8C-DS1-008-110	NET,	a
	O	SP1011	8C-DS1-009-110	STAND,	a
	O	SP1012	8C-DS1-010-010	RING,W	a
	O	SP1013	8C-DS1-011-010	RING,TW	a
	X	SP1014	8C-DS1-012-010	LBL,SPEC YJ	a
	O	SP1015	8C-DS1-013-010	FOOT, D11T4	a
	O	SP1016	8C-DS1-602-010	SPKR,W	a
	O	SP1017	8C-DS1-614-010	TERMINAL,ASSY	a
	O	SP1018	8C-DS1-604-010	SPKR, TW 25	a
	X	SP1019	8C-DS1-851-010	CUSHION,ASSY TTC	a

OTHER PARTS LIST -1/1

! = ⚠ SAFETY PARTS  
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UNIT-NAME	! C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL	
					CX-SLTC80 USC	CX-SLTC80 UCSC
	X		8A-NF7-251-010	W,3.2-8-0.45	a	b
	X		8C-DC1-243-010	CUSH, 10-10-4 W/ADH	a	b
	X		87-B40-096-010	BAG,PV 0.025-570-700 PL	a	b
	X		8C-DC1-851-010	CUSHION,LEFT C	a	b
	X		8C-DC1-852-010	CUSHION,RIGHT C	a	b
	X		93-324-066-010	SH,FOAMED-MAT 0.31-500-300	a	b
	X		87-B40-085-010	BAG,PV 0.04-200-350 PL	a	b
	X		8C-DC1-212-010	SH,WINDOW ADH	a	b
	X		8C-DC1-242-010	CUSH, 2-5-2 W/ADH	a	b
	X		87-B50-053-010	WARR-CARD,USA CUST/AV,VISUAL	a	b
	X		87-B40-495-010	LBL, UC WWW	a	b
	X		8A-NF8-972-010	LBL,POP ENG	a	b
	X		84-711-909-010	LBL DATE CODE	a	b
	X		87-B40-282-010	LBL,BAR-CODE AU 35X8	a	b
	X		8C-DC1-025-010	LBL,SPEC USC	a	.
	X		87-B50-094-010	WARR-CARD,C(E) A/V-0104	.	b
	X		87-B50-095-010	WARR-CARD,C(F) A/V-0104	.	b
	X		8C-DC1-035-010	LBL,SPEC UCSC	.	b